



JOSEFINA MARÍA BOTA SALORT

Generated from: Universitat de les Illes Balears

Date of document: 13/05/2022

v 1.4.0

38647cd2ab2b4621c0d807ef6e0949af

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>

JOSEFINA MARÍA BOTA SALORT

Surname(s): **BOTA SALORT**
Name: **JOSEFINA MARÍA**
DNI: **43086965F**
ORCID: **0000-0001-7039-7638**
ResearcherID: **A-3725-2015**
Date of birth: **02/01/1974**
Gender: **Female**
Nationality: **Spain**
Country of birth: **Spain**
City of birth: **Palma (BALEARS)**
Contact address: **Cra. Valldemossa Km 7.5**
Postcode: **07122**
Contact country: **Spain**
Contact city: **Palma**
Land line phone: **971259840 -**
Email: **j.bota@uib.es**

Current professional situation

Employing entity: Universidad de las Islas Baleares
Department: Faculty of Sciences, Department of Biology
Professional category: Senior university lecturer
City employing entity: Palma, Spain
Phone: 971259840 **Email:** j.bota@uib.es
Start date: 14/09/2017
Type of contract: Civil servant **Dedication regime:** Full time
Performed tasks: Contratada Doctora Interina

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de las Islas Baleares	Profesora contratada doctora interina	14/09/2015
2	Facultad de ciencias. Universitat de les Illes Balears (UIB)	Profesora asociada. Departamento Biología.	26/09/2011
3	Departamento Biología. Universitat de les Illes Balears	Contratada postdoctoral CAIB	01/03/2014
4	Institut de Recerca i formació Agrària i Perquera. Govern de les Illes Balears	Técnico Superior, Investigadora	01/03/2009
5	Espais de Natura Balear. Govern de les Illes Balears	Técnico de espacios naturales	14/10/2008
6	Colegio Sagrado Corazón	Profesora enseñanza secundaria	22/10/2007
7	Facultad de Ciencias. Universitat de les Illes Balears	Profesora Ayudante	01/10/2004

	Employing entity	Professional category	Start date
8	Universitat de les Illes Balears (UIB)	Becaria colaboración, proyecto: Efectos del estrés hídrico sobre el metabolismo fotosintético y resp	01/07/2004
9	Universitat de les Illes Balears (UIB)	Becaria colaboración, proyecto: Tipificación cartográfica y evaluación de los pastos de las I.B.	01/02/2004
10	Universitat de les Illes Balears (UIB)	Becaria Predoctoral	01/01/2000
11	Consell Insular de Mallorca, UIB	Becaria Jóvenes Investigadores	01/01/1999

- Employing entity:** Universidad de las Islas Baleares
Professional category: Profesora contratada doctora interina
Start-End date: 14/09/2015 - 13/09/2017 **Duration:** 2 years
- Employing entity:** Facultad de ciencias. Universitat de les Illes Balears (UIB)
Professional category: Profesora asociada. Departamento Biología.
Start-End date: 26/09/2011 - 25/09/2015 **Duration:** 4 years
- Employing entity:** Departamento Biología. Universitat de les Illes Balears
Professional category: Contratada postdoctoral CAIB
Start-End date: 01/03/2014 - 13/09/2015 **Duration:** 1 year - 6 months - 13 days
- Employing entity:** Institut de Recerca i formació Agrària i Perquera. Govern de les Illes Balears
Professional category: Técnico Superior, Investigadora
Start-End date: 01/03/2009 - 28/02/2014 **Duration:** 5 years
- Employing entity:** Espais de Natura Balear. Govern de les Illes Balears
Professional category: Técnico de espacios naturales
Start-End date: 14/10/2008 - 22/01/2009 **Duration:** 3 months - 9 days
- Employing entity:** Colegio Sagrado Corazón
Professional category: Profesora enseñanza secundaria
Start-End date: 22/10/2007 - 30/06/2008 **Duration:** 8 months - 9 days
- Employing entity:** Facultad de Ciencias. Universitat de les Illes Balears
Professional category: Profesora Ayudante
Start-End date: 01/10/2004 - 21/10/2007 **Duration:** 3 years - 21 days
- Employing entity:** Universitat de les Illes Balears (UIB)
Professional category: Becaria colaboración, proyecto: Efectos del estrés hídrico sobre el metabolismo fotosintético y resp
Start-End date: 01/07/2004 - 30/09/2004 **Duration:** 3 months
- Employing entity:** Universitat de les Illes Balears (UIB)
Professional category: Becaria colaboración, proyecto: Tipificación cartográfica y evaluación de los pastos de las I.B.
Start-End date: 01/02/2004 - 30/06/2004 **Duration:** 5 months



- 10** **Employing entity:** Universitat de les Illes Balears (UIB)
Professional category: Becaria Predoctoral
Start-End date: 01/01/2000 - 01/01/2004 **Duration:** 4 years - 1 day
- 11** **Employing entity:** Consell Insular de Mallorca, UIB
Professional category: Becaria Jóvenes Investigadores
Start-End date: 01/01/1999 - 01/01/2000 **Duration:** 1 year - 1 day



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1** **University degree:** Diploma / Degree / Activities
Name of qualification: Curso Superior de Postgrado en Viticultura.
Degree awarding entity: Universitat Illes Balears (UIB)
Date of qualification: 2000
- 2** **University degree:** Diploma / Degree / Activities
Name of qualification: Grado de Licenciatura.
Degree awarding entity: Universitat Illes Balears (UIB)
Date of qualification: 09/1999
- 3** **University degree:** Diploma / Degree / Activities
Name of qualification: Ciencias Biológicas
Degree awarding entity: Universitat Illes Balears (UIB)
Date of qualification: 06/1998

Doctorates

- 1** **Doctorate programme:** Mención de Dr. Europeo
Degree awarding entity: Universitat Illes Balears (UIB) **Type of entity:** University
Date of degree: 28/04/2004
Thesis title: Regulación de la fotosíntesis en condiciones de estrés hídrico: limitaciones metabólicas y de difusión de CO₂. -
Thesis director: Jaume Flexas Sans
Obtained qualification: Summa cum laude
- 2** **Doctorate programme:** Ciencias Biológicas
Degree awarding entity: Universitat Illes Balears (UIB) **Type of entity:** University
Date of degree: 18/03/2004
Thesis title: Regulación de la fotosíntesis en condiciones de estrés hídrico: limitaciones metabólicas y de difusión de CO₂. -
Thesis director: Jaume Flexas Sans
Obtained qualification: Summa cum laude

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)**1 Type of training:** Course

Training title: Curso de riesgos en las instalaciones radioactivas de 10 horas de duración. Organizado por el área de gestión, salud laboral y cooperación de la UIB. Plan de formación específico para personal docente-investigador.

Awarding entity: Universidad de las Islas Baleares

Type of entity: Body, others

End date: 01/2014

2 Type of training: Course

Training title: Curso Universitario de Biología Molecular de las plantas. Organizado para el Institut Mediterrani d'Estudis Avançats con una duración de 11 horas.

End date: 30/03/2006

3 Type of training: Course

Training title: Curso de seguridad en el uso de radioisótopos. 'Principles of radiation protection' Oregon State University 4 horas

End date: 05/2001

4 Type of training: Course

Training title: Cursos de Fisiología Vegetal I y II. Programa de doctorado de la UIB. 120 horas

End date: 2001

5 Type of training: Course

Training title: Curso de Aplicación de recursos informáticos a la Biología. Programa de doctorado de la UIB. 80 horas

End date: 2001

6 Type of training: Course

Training title: Curso para el perfeccionamiento del inglés en Londres, financiado por el Fondo Social Europeo (Pla Mestral Jove del Govern Balear). Nivel: 'Upper Intermediate', 60 horas

End date: 04/1999

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Catalan	C2	C2	C2	C2	C2
English	B2	B2	B2	B2	B2



Teaching experience

General teaching experience

1 Type of teaching: Official teaching

Name of the course: Asignatura: Fisiologia i genética de les interaccions planta-microorganisme (20130). Créditos de la asignatura: 6 ECTS (150h), Créditos impartidos: 1.2 ECTS (30h). Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el responsable de la asignatura.

Type of programme: Scnd cycle teaching

Start date: 26/09/2014

End date: 26/09/2015

2 Type of teaching: Official teaching

Name of the course: "Master de Biotecnología Aplicada" de la UIB. Asignatura: Aplicacions Bioteconològiques per a la Gestió de la Biodiversitat (11217). Créditos de la asignatura: 5 ECTS (125 h), Créditos impartidos: 1.2 ECTS (30 h). Nivel de responsabilidad: Profesora responsable de la asignatura

Type of programme: Third cycle teaching

Start date: 26/09/2014

End date: 26/09/2015

3 Type of teaching: Official teaching

Name of the course: Profesora Asociada, con responsabilidad compartida con el resto de profesores de asignatura. Asignatura: Aplicacions de la fisiología vegetal (20139). crèdits asig: 6ECTS (150h) Facultad de Ciencias

Type of programme: Scnd cycle teaching

Start date: 2014

End date: 2015

Entity: Universidad de las Islas Baleares

4 Type of teaching: Official teaching

Name of the course: Asignatura: Aplicacions de la fisiología vegetal (20139) Créditos de la asignatura: 6 ECTS (150h) Créditos impartidos: 0,48 ECTS Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el resto de profesores de la asignatura

Type of programme: Scnd cycle teaching

Start date: 26/09/2013

End date: 26/09/2014

5 Type of teaching: Official teaching

Name of the course: Asignatura: Viverística (22469) Créditos de la asignatura: 6 ECTS (150h) Créditos impartidos: 0,4 ECTS Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el profesor responsable de la asignatura

Type of programme: Scnd cycle teaching

Start date: 26/09/2013

End date: 26/09/2014

6 Type of teaching: Official teaching

Name of the course: "Master Universitario en Biología de la Plantas en Condiciones Mediterráneas" de la UIB. Asignatura: Relaciones planta-suelo (10002). Créditos de la asignatura: 7 ECTS (175 h), Créditos impartidos:



0.8 ECTS (20 h). Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el profesor responsable de la asignatura

Type of programme: Third cycle teaching

Start date: 26/09/2013

End date: 26/09/2014

7 Type of teaching: Official teaching

Name of the course: Asignatura: Fisiologia i genética de les interaccions planta-microorganisme (20130) Créditos de la asignatura: 6 ECTS (150h) Créditos impartidos: 0,32 Teóricos y 4 Prácticos (108 h) Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el responsable de la asignatura.

Type of programme: Second cycle teaching

Start date: 29/09/2012

End date: 29/09/2013

8 Type of teaching: Official teaching

Name of the course: Asignatura: Aplicacions de la fisiología vegetal (20139) Créditos de la asignatura: 6 ECTS (150h) Créditos impartidos: 0,48 ECTS Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el resto de profesores de la asignatura

Type of programme: Second cycle teaching

Start date: 26/09/2012

End date: 26/09/2013

9 Type of teaching: Official teaching

Name of the course: Asignatura: Mètodes i tècniques d'estudi en Fisiologia Vegetal (1360) Créditos de la asignatura: 1,5 Teóricos y 3 Prácticos Créditos impartidos: 9 Prácticos (3 grupos de prácticas) Nivel de responsabilidad: Profesora asociada, con responsabilidad compartida con el responsable de la asignatura.

Type of programme: Second cycle teaching

Start date: 26/09/2011

End date: 26/09/2012

10 Type of teaching: Unofficial teaching

Name of the course: Curs Especialista Universitari en Viticultura.CODEFOC. Asignatura Ampelografia,4 horas

Type of programme: Courses and Seminars Taught

Start date: 01/12/2006

End date: 27/04/2007

11 Type of teaching: Official teaching

Name of the course: Profesora ayudante, responsable de prácticas. Selección y preparación de las prácticas, elaboración de guiones y seguimiento del resto de grupos de prácticas. Responsable de la asignatura: Hipólito Medrano. Facultad de Ciencias. Asignatura: Ecofisiología Vegetal (1352), créditos: 4,5 teóricos y 1,5 prácticos. Impartidos: 3P (2 grupos prácticas)

Type of programme: First cycle teaching

Start date: 2006

End date: 2007

12 Type of teaching: Official teaching

Name of the course: Profesora ayudante. Responsable de la asignatura Biotecnología vegetal (1388), créditos: 3 teóricos y 3 prácticos. Impartidos:3T y 3P

Type of programme: First cycle teaching

Start date: 2006

End date: 2007

**13 Type of teaching:** Official teaching

Name of the course: Profesora ayudante, con responsabilidad compartida con el responsable de la asignatura, Jaume Flexas. En la Facultad de Ciencias. Asignatura: Mètodes i Tècniques d'estudi en Fisiologia Vegetal (1360), crèdits: 1,5 teòrics y 3 pràctics. Impartidos: 0,1 T, 1P

Type of programme: Sccond cycle teaching

Start date: 2006

End date: 2007

14 Type of teaching: Unofficial teaching

Name of the course: Curs d'Especialització Universitari en Coneixement Funcional i Maneig de la Vegetació Mediterrània. Curso de Postgrado financiado por el Fondo Social Europeo y el Govern de les Illes Balears. 8 horas

Type of programme: Courses and Seminars Taught

Start date: 04/07/2005

End date: 26/10/2005

15 Type of teaching: Official teaching

Name of the course: Responsable de la Asignatura, Biotecnologia Vegetal (1388),3 crèdits teòrics y 3 pràctics. crèdits impartidos: 3T y 6P (2 grupos de pràctics), en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2005

End date: 2006

16 Type of teaching: Official teaching

Name of the course: Profesora ayudante, con responsabilidad compartida con el responsable de la asignatura, Jaume Flexas. En la Facultad de Ciencias. Asignatura: Mètodes i Tècniques d'estudi en Fisiologia Vegetal (1360), crèdits: 1,5 teòrics y 3 pràctics. Impartidos: 0,1 T, 2P

Type of programme: Sccond cycle teaching

Start date: 2005

End date: 2006

17 Type of teaching: Official teaching

Name of the course: Profesora ayudante, responsable de pràctics. Selección y preparación de las pràctics, elab. guiones y seguimiento del resto de grupos de pract.Asignatura, Ecofisiologia Vegetal (1352),de Hipólito Medrano Gil. 4,5 crèdits teòrics y 1,5 pràctics. crèdits impartidos: 3 P (2 grupos de pràctics), en Facultad de Ciencias, UIB

Type of programme: First cycle teaching

Start date: 2004

End date: 2005

18 Type of teaching: Official teaching

Name of the course: Profesora ayudante, con responsabilidad compartida con el responsable de la asignatura, Jaume Flexas Sans 'Mètodes i Tècniques d'estudi en Fisiologia Vegetal'(1360),1,5 crèdits teòrics y 3 pràctics. crèdits impartidos: 0,2T y 2P, en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2004

End date: 2005

19 Type of teaching: Official teaching

Name of the course: Responsable de la Asignatura, Biotecnologia Vegetal (1388),3 crèdits teòrics y 3 pràctics. crèdits impartidos: 3T y 3P, en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2004



End date: 2005

20 Type of teaching: Official teaching

Name of the course: Becaria de colaboración con responsabilidad compartida con el responsable de la Asignatura, Mètodes i Tècniques d'estudi en Fisiologia Vegetal (1360), de Jaume Flexas Sans. 1,5 créditos teóricos y 3 prácticos. créditos impartidos: 0,2 T y 2P, en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2003

End date: 2004

21 Type of teaching: Official teaching

Name of the course: Becaria de cuarto año con responsabilidad compartida con el responsable de la asignatura: Ecofisiologia Vegetal (1352), Hipólito Medrano Gil. 4,5 créditos teóricos y 1,5 prácticos. créditos impartidos: 0,8 T y 3P (2 grupos de prácticas), en Facultad de Ciencias, UIB

Type of programme: First cycle teaching

Start date: 2002

End date: 2003

22 Type of teaching: Official teaching

Name of the course: Becaria de cuarto año con responsabilidad compartida con el responsable de la asignatura: Fisiologia Vegetal (1342-03), Jaume Flexas Sans. 6 créditos teóricos y 4 prácticos. créditos impartidos: 0,2 T, en Facultad de Ciencias, UIB

Type of programme: First cycle teaching

Start date: 2002

End date: 2003

23 Type of teaching: Official teaching

Name of the course: Becaria de cuarto año con responsabilidad compartida con el responsable de la Asignatura, Mètodes i Tècniques d'estudi en Fisiologia Vegetal (1360), de Jaume Flexas Sans. 1,5 créditos teóricos y 3 prácticos. créditos impartidos: 3 P (1 grupo de prácticas), en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2002

End date: 2003

24 Type of teaching: Official teaching

Name of the course: Becaria de tercer año con responsabilidad compartida con el responsable de la asignatura: Ecofisiologia Vegetal (1352), Hipólito Medrano Gil. 4,5 créditos teóricos y 1,5 prácticos. créditos impartidos: 0,8 T y 3P (2 grupos de prácticas), en Facultad de Ciencias, UIB

Type of programme: First cycle teaching

Start date: 2001

End date: 2002

25 Type of teaching: Official teaching

Name of the course: Becaria de tercer año con responsabilidad compartida con el responsable de la Asignatura, Mètodes i Tècniques d'estudi en Fisiologia Vegetal (1360), de Jaume Flexas Sans. 1,5 créditos teóricos y 3 prácticos. créditos impartidos: 0,2 T y 4 P (1,3 grupos de prácticas), en Facultad de Ciencias, UIB

Type of programme: Sccond cycle teaching

Start date: 2001

End date: 2002

**26 Type of teaching:** Unofficial teaching

Name of the course: Curs Superior d'Especialització en Viticultura. Curso de Postgrado financiado por el Fondo Social Europeo. 4 horas

Type of programme: Courses and Seminars Taught

Start date: 01/05/2000

End date: 30/05/2000

Experience supervising doctoral thesis and/or final year projects**1 Project title:** Efectes de la micorrizació i abonament sobre el desenvolupament i producció de lletugues a planter i camp

Type of project: Degree Final Project

Entity: Universidad de las Islas Baleares

City of entity: Spain

Student: Margalida Nicolau Gayà

Obtained qualification: Very Good

Date of reading: 2019

2 Project title: Genetic variability in a grapevine progeny (*Vitis vinífera* L. cvs Grenache × Syrah) using reduced night-time transpiration as the target parameter

Type of project: Master's Thesis

Entity: Universidad de las Islas Baleares

City of entity: Spain

Student: Natàlia Llopis Vidal

Obtained qualification: Satisfactory

Date of reading: 2019

3 Project title: Estudi agronòmic i del comportament davant la *Bremia Lactucae* de distintes varietats de *Lactuca sativa* en distints cicles a l'aire lliure

Type of project: Degree Final Project

Entity: Universidad de las Islas Baleares

City of entity: Spain

Student: Pedro Llabrés Rosselló

Obtained qualification: Very Good

Date of reading: 2019

4 Project title: Descripción y caracterización de las variedades minoritarias tintas Esperó de gall y Callet negrella, y blancas Argamussa y Vinater blanc

Type of project: Degree Final Project

Entity: Universidad de las Islas Baleares

City of entity: Spain

Student: Bàrbara Maria Quetglas Calvó

Obtained qualification: Very Good

Date of reading: 2019

5 Project title: INTERACTIVE EFFECTS OF GRAPEVINE LEAFROLL ASSOCIATED VIRUS-3 (GLRAV-3) AND WATER STRESS ON THE GAS EXCHANGE, WATER USE EFFICIENCY, PLANT HYDRAULICS AND METABOLISM IN LOCAL GRAPEVINE CULTIVARS

Type of project: Doctoral thesis

Entity: Universidad de las Islas Baleares

City of entity: Spain



Student: Hanan El aououad

Date of reading: 2017

- 6** **Project title:** Efectos del mantenimiento de la cubierta vegetal en el cultivo de vid sobre las características del suelo y la fenología del cultivo
Type of project: Degree Final Project
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Dakota Marquez
Obtained qualification: Very Good
Date of reading: 2017
- 7** **Project title:** Producció i qualitat de raïm de vinificació en funció de la varietat i de la dosi de reg en condicions de camp
Type of project: Degree Final Project
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Maria Massanet Neubaur
Obtained qualification: Excellent
Date of reading: 2017
- 8** **Project title:** Efectes de l'aplicació del tractament Aqua-4D en el desenvolupament del cultiu de tomàquet (*Solanum lycopersicum* L. var Cid) sota condicions d'hivernacle.
Type of project: Master's Thesis
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Antònia Arrom Coll
Obtained qualification: Very Good
Date of reading: 2016
- 9** **Project title:** Micropropagació i millora en l'aclimatació de *Paulownia* sp. mitjançant ús de micorizes
Type of project: Degree Final Project
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Pau Mayol
Obtained qualification: Very Good
Date of reading: 2016
- 10** **Project title:** Effects of Grapevine Leafroll Associated virus 3 (GLRaV-3) concentration on plant physiology and quality parameters in *Vitis vinifera* L. white cultivars
Type of project: Doctoral thesis
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Rafael Montero Silvestre
Obtained qualification: Summa cum laude
Date of reading: 2015
- 11** **Project title:** Recuperació de la varietat minoritària de vinya Argamussa
Type of project: Degree Final Project
Entity: Universidad de las Islas Baleares
City of entity: Spain



Student: Bárbara Llabrés
Obtained qualification: Very Good
Date of reading: 2014

- 12** **Project title:** Absolute quantification of grapevine leafroll associated virus 3 (GLRaV-3) and its effects on the physiology in *Vitis vinifera* L.
Type of project: Master's Thesis
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Rafael Montero Silvestre
Obtained qualification: Excellent
Date of reading: 2013
- 13** **Project title:** Caracterització morfològica i molecular de varietats minoritàries de vinya de l'illa de Menorca
Type of project: Degree Final Project
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Toni Mayrata
Obtained qualification: Very Good
Date of reading: 2013
- 14** **Project title:** Història i Evolució de les varietats de raïm de les Illes Balears
Type of project: Master's Thesis
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Antoni Martorell Nicolau
Obtained qualification: Excellent
Date of reading: 2011
- 15** **Project title:** Projecte per el sanejament de la varietat autòctona balear de vinya "Gorgollassa"
Type of project: Research Project
Entity: Universidad de las Islas Baleares
City of entity: Spain
Student: Francina Carrió
Date of reading: 2011

Educational or pedagogical publications, books, articles, etc.

Name of the materials: Gestión y tutorización de la actividad de Biotecnología, micropropagación de plantas del VII campus científico-técnico 2015-2016 (DEMOTEC) y 2016-2017 de la Escola Politècnica Superior de la UIB
Date of drafting: 15/09/2015
Format: Teaching Programmes and Guidelines for Practicals

Other activities/achievements not included above

- 1** **Description of the activity:** Tutoring of a Grant: Tutorització de la Beca Predcotorarl FPI-INIA 'Estado sanitario, preservación y caracterización de variedades minoritarias de vid en Baleares'. Becari: Rafael Montero Silvestre
Organising entity: IRFAP
End date: 21/08/2015
- 2** **Description of the activity:** Other teaching merits: Obtención de la acreditación en la figura de Profesor Titular de Universidad por la ANECA
End date: 01/2013
- 3** **Description of the activity:** Tutoring of a Grant: Tutorització de la Beca Cristòfor Mestre i Artigas - Viticultura i Enologia 'Projecte per el sanejament de la varietat autòctona balear de vinya "Gorgollassa". Becaria: Franciana Carrió
Organising entity: IRFAP
End date: 01/04/2012
- 4** **Description of the activity:** Other teaching merits: Obtención de la acreditación en las figuras de Profesor ayudante doctor, contratado doctor y profesor de universidad privada por la ANECA
End date: 09/2007
- 5** **Description of the activity:** Other teaching merits: Obtención de la acreditación en la figura de Profesor colaborador por la Agència de Qualitat Universitària de la UIB
End date: 12/2005
- 6** **Description of the activity:** Other teaching merits: Certificado del ciclo elemental de la Escuela Oficial de Idiomas (Inglés)
End date: 10/2005
- 7** **Description of the activity:** Other teaching merits: Participación en el plan tutorial de la Facultad de Ciencias
End date: 2005
- 8** **Description of the activity:** Other teaching merits: Obtención del certificado de nivel C en lengua catalana, otorgado por la Junta Avaluadora de Català. Conselleria d'educació del Govern Balear
End date: 09/1999
- 9** **Description of the activity:** Other teaching merits: Obtención del certificado de suficiencia en lengua inglesa, otorgado por el Estudi General Lul.lià de Palma de Mallorca
End date: 06/1999
- 10** **Description of the activity:** Other teaching merits: Certificado de Aptitud Pedagógica (CAP)
- 11** **Description of the activity:** Other teaching merits: Certificado de capacitación de enseñanza en lengua catalana (CCS)

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Uso de micorrizas como fertilización biológica alternativa del olivo en condiciones de estrés abiótico (salinidad y estrés hídrico)
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Acadèmies Científiques
City of entity: Unknown
Name principal investigator (PI, Co-PI....): Josefina Bota
Nº of researchers: 6
Funding entity or bodies: Direcció General de Cooperació del Govern de les Illes Balears **Type of entity:** **Altres organismes
City funding entity: Unknown
Code according to the funding entity: OCDS-CUD2022/08
Start-End date: 28/03/2022 - 30/09/2023 **Duration:** 1 year - 6 months - 3 days
Participating entity/entities: UIB
Total amount: 8.630 €
- 2** **Name of the project:** Sanejament de virosis de varietats locals de vinya
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josefina María Bota Salort
Nº of researchers: 2
Funding entity or bodies: Conselleria d'Agricultura, Medi Ambient i Territori. Fons de Garantia Agrària i Pesquera de les Illes Balears (FOGAIBA) **Type of entity:** **Comunitats Autònomes
City funding entity: Spain
Code according to the funding entity: BIA01/20-2
Start-End date: 26/07/2021 - 25/01/2023 **Duration:** 1 year - 6 months
Participating entity/entities: Universitat de les Illes Balears
Total amount: 17.000 €
- 3** **Name of the project:** Prácticas de manejo del viñedo para una mejor sostenibilidad - AGROSUST
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josefina María Bota Salort
Nº of researchers: 3
Funding entity or bodies: Ministerio de Ciencia, Innovación y Universidades **Type of entity:** **Ministeris

City funding entity: Spain

Code according to the funding entity: RTI2018-094470-R-C22

Start-End date: 01/01/2019 - 30/09/2022

Duration: 3 years - 9 months

Participating entity/entities: Universitat de les Illes Balears

Total amount: 108.900 €

- 4 Name of the project:** Análisis del papel de las zonas de vegetación natural en el mantenimiento de la diversidad de micorrizas arbusculares de las zonas agrícolas de la Reserva de la Biosfera de Menorca (RBM)

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Elena Baraza Ruíz; Alvaro Lopez Garcia

Nº of researchers: 4

Funding entity or bodies:

Consell Insular de Menorca

Type of entity: **Comunitats Autònomes

City funding entity: Spain

Start-End date: 01/12/2020 - 24/05/2022

Duration: 1 year - 5 months - 24 days

Participating entity/entities: Universitat de les Illes Balears

Total amount: 4.997,3 €

- 5 Name of the project:** Invernadero de condiciones climáticas controladas y seguridad tipo 2

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Jeroni Galmés Galmés

Nº of researchers: 20

Funding entity or bodies:

Ministerio de Ciencia, Innovación y Universidades

Type of entity: **Ministeris

City funding entity: Spain

Code according to the funding entity: EQC2019-005782-P

Start-End date: 01/01/2019 - 31/03/2022

Duration: 3 years - 3 months

Participating entity/entities: Universitat de les Illes Balears

Total amount: 340.577 €

- 6 Name of the project:** Uso de micorrizas como fertilización biológica alternativa del olivo en condiciones de estrés abiótico (salinidad y estrés hídrico)

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Acadèmies Científiques

City of entity: Unknown

Name principal investigator (PI, Co-PI....): Josefina Bota

Nº of researchers: 6

Funding entity or bodies:

Direcció General de Cooperació del Govern de les Illes Balears

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: OCDS-CUD2019/09

Start-End date: 01/01/2019 - 20/12/2021

Duration: 2 years - 11 months - 20 days

Participating entity/entities: UIB

Total amount: 5.200 €

- 7** **Name of the project:** Sostenibilitat de l'oliverar cultivat en superintensiu: Necessitats hídriques i d'abonament en les varietats Koroneiki, Arbosana, Sikitita, i Arbequina
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil
Nº of researchers: 2
Funding entity or bodies:
Conselleria d' innovació, recerca i turisme **Type of entity:** **Comunitats Autònomes
City funding entity: Palma, Spain
Code according to the funding entity: PROCOE/1/2017
Start-End date: 22/12/2017 - 22/03/2021 **Duration:** 3 years - 3 months - 1 day
Participating entity/entities: Universitat de les Illes Balears
Total amount: 35.126,1 €
- 8** **Name of the project:** Cámaras de cultivo habitables para el estudio de la eficiencia en el uso del agua y la respuesta al cambio climático en plantas
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil
Nº of researchers: 11
Funding entity or bodies:
Ministerio de Ciencia, Innovación y Universidades **Type of entity:** **Ministeris
City funding entity: Spain
Code according to the funding entity: EQC2018-004526-P
Start-End date: 01/01/2018 - 31/12/2020 **Duration:** 3 years
Participating entity/entities: Universitat de les Illes Balears
Total amount: 198.475 €
- 9** **Name of the project:** Obtenció de material de vinya lliure de virus i la seva caracterització
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josefina María Bota Salort
Nº of researchers: 4
Funding entity or bodies:
Conselleria d'Agricultura, Medi Ambient i Territori. Fons de Garantia Agrària i Pesquera de les Illes Balears (FOGAIBA) **Type of entity:** **Comunitats Autònomes
City funding entity: Spain
Code according to the funding entity: BIA09/18
Start-End date: 20/05/2019 - 20/11/2020 **Duration:** 1 year - 6 months - 1 day
Participating entity/entities: Universitat de les Illes Balears
Total amount: 17.000 €

- 10** **Name of the project:** Recuperació sanitària i valoració enològica de varietats minoritàries de vinya de les Illes Balears
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josefina María Bota Salort
Nº of researchers: 3
Funding entity or bodies:
Conselleria d'Agricultura, Medi Ambient i Territori. **Type of entity:** **Comunitats Autònomes
Fons de Garantia Agrària i Pesquera de les Illes Balears (FOGAIBA)
City funding entity: Spain
Code according to the funding entity: BIA05/17
Start-End date: 04/06/2018 - 20/12/2019 **Duration:** 1 year - 6 months - 17 days
Participating entity/entities: Universitat de les Illes Balears
Total amount: 12.500 €
- 11** **Name of the project:** Reforçaments de les necessitats en equips tecnològics de l'INAGEA: Adquisició d'un Spectrophotometer de placa
Entity where project took place: UIB-INAGEA **Type of entity:** **Instituts
City of entity: Spain
Name principal investigator (PI, Co-PI....): Elena Baraza Ruiz
Nº of researchers: 5
Funding entity or bodies:
Conselleria d' innovació, recerca i turisme **Type of entity:** **Comunitats Autònomes
City funding entity: Palma, Spain
Code according to the funding entity: AAEE117/2017
Start-End date: 15/06/2018 - 30/05/2019 **Duration:** 11 months - 16 days
Participating entity/entities: UIB-INAGEA
Total amount: 12.104 €
- 12** **Name of the project:** VitiSmart: Toward a sustainable viticulture: Improved grapevine productivity and tolerance to abiotic and biotic stresses by combining resistant cultivars and beneficial microorganisms
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): José Mariano Escalona Lorenzo
Nº of researchers: 1
Funding entity or bodies:
Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria. Ministerio de Agricultura, Pesca y Alimentación **Type of entity:** **Instituts
City funding entity: Spain
Code according to the funding entity: 652615 ERA-NET CoFund FACCE Surplus
Start-End date: 01/04/2016 - 31/03/2019 **Duration:** 3 years
Participating entity/entities: Universitat de les Illes Balears
Total amount: 75.000 €

- 13** **Name of the project:** VitiSmart: Toward a sustainable viticulture: Improved grapevine productivity and tolerance to abiotic and biotic stresses by combining resistant cultivars and beneficial microorganisms
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): José Mariano Escalona Lorenzo
Nº of researchers: 8
Funding entity or bodies: European Commission **Type of entity:** **Unió Europea
City funding entity: European Union institutions
Code according to the funding entity: 652615 ERA-NET CoFund FACCE Surplus
Start-End date: 01/04/2016 - 31/03/2019 **Duration:** 3 years
Participating entity/entities: Universitat de les Illes Balears
Total amount: 75.000 €
- 14** **Name of the project:** Incremento de la eficiencia en el uso del agua en Vitis vinifera L.: bases genéticas y fisiológicas para una mejor adaptación al cambio climático
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josep Cifre Llompart
Nº of researchers: 7
Funding entity or bodies: Ministerio de Economía y Competitividad (MINECO) **Type of entity:** **Ministeris
City funding entity: Spain
Code according to the funding entity: RTA2013-00068-C03-03
Start-End date: 02/10/2014 - 31/03/2019 **Duration:** 4 years - 5 months - 30 days
Participating entity/entities: Universitat de les Illes Balears
Total amount: 90.093,83 €
- 15** **Name of the project:** Ajuts per a dur a terme accions especials de recerca i desenvolupament 2017-2019. Actuacions de reforçament de les necessitats en equips tecnològics i infraestructura destinats a la recerca
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil
Nº of researchers: 3
Funding entity or bodies: Conselleria d' innovació, recerca i turisme **Type of entity:** **Comunitats Autònomes
City funding entity: Palma, Spain
Code according to the funding entity: AAEE060/2017
Start-End date: 01/06/2017 - 30/06/2018 **Duration:** 1 year - 1 month
Participating entity/entities: Universitat de les Illes Balears
Total amount: 12.034,17 €
- 16** **Name of the project:** Documentación, caracterización, y racionalización del germoplasma de vid prospectado conservado en España. Creación de una colección nuclear española.
Entity where project took place: IRFAP-CONSELLERIA DE AGRICULTURA I PESCA DE LES ILLES BALEARS **Type of entity:** **Altres organismes



City of entity: Unknown

Name principal investigator (PI, Co-PI....): Anna Puig Pujol

Nº of researchers: 13

Funding entity or bodies:

Instituto Nacional de Investigación y Tecnología

Agraria y Alimentaria. Ministerio de Agricultura, Pesca

y Alimentación

Type of entity: **Instituts

City funding entity: Spain

Code according to the funding entity: RF2012-00027-C05-03

Start-End date: 01/10/2012 - 01/10/2015

Duration: 3 years - 1 day

Participating entity/entities: INSTITUTO CATALAN DE LA VIÑA Y EL VINO (INCAVI)

Total amount: 25.910,4 €

17 Name of the project: Biologia de les plantes en condicions Mediterrànies

Entity where project took place: Universidad de las Islas Baleares

Type of entity: **Universitats

Islas Baleares

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Nº of researchers: 26

Funding entity or bodies:

Conselleria d'Innovació, Interior i Justícia

Type of entity: **Administracions Públiques

City funding entity: Spain

Code according to the funding entity: 60/2011

Start-End date: 01/12/2011 - 30/11/2014

Duration: 3 years

Participating entity/entities: Universitat de les Illes Balears

Total amount: 36.000 €

18 Name of the project: Estudio sanitario, preservación y caracterización de variedades minoritarias de vid en Baleares. Confirmación de genotipos únicos mediante la aplicación de marcadores moleculares. Recuperación sanitaria de genotipos infectados mediante técnicas de biotecnología.

Entity where project took place:

Type of entity: **Altres organismes

IRFAP-CONSELLERIA DE AGRICULTURA I PESCA

DE LES ILLES BALEARS

City of entity: Unknown

Name principal investigator (PI, Co-PI....): Josefina Bota Salort

Nº of researchers: 11

Funding entity or bodies:

INIA

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: RTA2010-00118-00-00

Start-End date: 2010 - 2013

Duration: 3 years - 1 day

Participating entity/entities: IRFAP-CONSELLERIA DE AGRICULTURA I PESCA DE LES ILLES BALEARS

Total amount: 60.000 €

19 Name of the project: Caracterización y conservación de variedades locales mayoritarias de vid de las Islas Baleares. Análisis de los principales factores que determinan la calidad de cosecha.

Entity where project took place:

Type of entity: **Altres organismes

IRFAP-CONSELLERIA DE AGRICULTURA I PESCA

DE LES ILLES BALEARS

City of entity: Unknown



Name principal investigator (PI, Co-PI....): Josep Cifre Llompart

Nº of researchers: 6

Funding entity or bodies:

INIA

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: RTA2008-00085-C02-00

Start-End date: 2008 - 2011

Duration: 3 years - 1 day

Participating entity/entities: IRFAP-CONSELLERIA DE AGRICULTURA I PESCA DE LES ILLES BALEARS

Total amount: 136.059,2 €

20 Name of the project: Xarxa Vitivinícola Euroregió Pirineus Mediterrània

Entity where project took place: Sense especificar **Type of entity:** **Altres organismes

City of entity: Spain

Name principal investigator (PI, Co-PI....): Marc Gelly

Funding entity or bodies:

Generalitat de Catalunya

Type of entity: **Altres organismes

City funding entity: Unknown

Start-End date: 2009 - 2009

Duration: 1 day

Participating entity/entities: Sense especificar

Total amount: 19.703,66 €

21 Name of the project: Ayudes a grupos d'Investigació competitiu de les Illes Balears, 'Grup de Recerca Biologia de les plantes en condicions mediterrànies'

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Funding entity or bodies:

CAIB

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: PCTIB2005GC4-01

Start-End date: 2006 - 2009

Duration: 3 years - 1 day

Participating entity/entities: Universitat de les Illes Balears

22 Name of the project: Optimización del uso del agua en la vid: regulación y control fisiológico y agronómico y efectos en la calidad del fruto

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Nº of researchers: 9

Funding entity or bodies:

Ministerio de Educación y Ciencia

Type of entity: **Ministeris

City funding entity: Spain

Code according to the funding entity: AGL2005-06927-C02-01

Start-End date: 15/10/2005 - 31/12/2008

Duration: 3 years - 2 months - 17 days

Participating entity/entities: Universitat de les Illes Balears

Total amount: 128.520 €

- 23** **Name of the project:** Caracterització i conservació de les poblacions de tomàtiga de ramellet de les Illes Balears
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josefina Bota Salort
Nº of researchers: 1
Funding entity or bodies: Conselleria d'Agricultura i Pesca. Govern de les Illes Balears **Type of entity:** **Administracions Públiques
City funding entity: Spain
Code according to the funding entity: BIA20/07
Start-End date: 03/12/2007 - 02/12/2008 **Duration:** 1 year
Participating entity/entities: Sense especificar
Total amount: 15.000 €
- 24** **Name of the project:** Mecanismos fisiológicos de control de la transpiración y la fotosíntesis en el olivo y la vid y su relación con la adaptación a la sequía y al riego de recuperación. Bases para la mejora de la eficiencia del uso del agua en estos cultivos.
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Antonio Díaz Espejo
Nº of researchers: 4
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología (CICYT) **Type of entity:** **Altres organismes
City funding entity: Unknown
Code according to the funding entity: AGL2005-002200
Start-End date: 2005 - 2008 **Duration:** 3 years - 1 day
Participating entity/entities: Universitat de les Illes Balears
Total amount: 72.000 €
- 25** **Name of the project:** Ajudes a grups d'Investigació competitiu de les Illes Balears, 'Grup de Recerca Biologia de les plantes en condicions mediterrànies'
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain
Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil
Funding entity or bodies: CAIB **Type of entity:** **Altres organismes
City funding entity: Unknown
Code according to the funding entity: PRDIB2002GC1-01
Start-End date: 2003 - 2008 **Duration:** 5 years - 1 day
Participating entity/entities: Universitat de les Illes Balears
- 26** **Name of the project:** Variabilitat en l'eficiència en l'ús de l'aigua per les plantes: Optimització del seu ús
Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats
City of entity: Spain



Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Funding entity or bodies:

CAIB

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: PRIB-2004-10144

Start-End date: 2004 - 2005

Duration: 1 year - 1 day

Participating entity/entities: Universitat de les Illes Balears

27 Name of the project: Efectos del estrés hídrico sobre el metabolismo fotosintético y respiratorio en plantas.

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Miquel Ribas Carbó

Nº of researchers: 4

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología (CICYT)

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: BFI2002-00772

Start-End date: 2002 - 2005

Duration: 3 years - 1 day

Participating entity/entities: Universitat de les Illes Balears

Total amount: 89.700 €

28 Name of the project: Utilización de indicadores fisiológicos para la aplicación del riego en vid: Regulación de la fotosíntesis y del reparto de asimilados y efectos en la calidad de frutos

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología (CICYT)

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: CICYT-AGL2001-1285-CO3-01

Start-End date: 2001 - 2004

Duration: 3 years - 1 day

Participating entity/entities: Universitat de les Illes Balears

Total amount: 63.106,23 €

29 Name of the project: Recuperació de la Malvasia de Banyalbufar

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Nº of researchers: 7

Funding entity or bodies:

Conselleria d'Agricultura i Pesca. Govern de les Illes Balears

Type of entity: **Administracions Públiques

City funding entity: Spain

Start-End date: 2000 - 2003

Duration: 3 years - 1 day

Participating entity/entities: Universitat de les Illes Balears

Total amount: 58.420 €

30 Name of the project: Tipificación cartográfica y evaluación de los pastos de las Illes Balears.

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano Gil

Nº of researchers: 7

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología (CICYT)

Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity: OT-00-37-C17-05

Start-End date: 2000 - 2003

Duration: 3 years - 1 day

Participating entity/entities: Universitat de les Illes Balears

Total amount: 43.519,29 €

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: Desenvolupament de protocols per a la propagació de varietats de garrofer

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: UIB-INAGEA **Type of entity:** **Instituts

City of entity: Spain

Name principal investigator (PI, Co-PI....): Josefina Bota

Participating entity/entities: UIB-INAGEA

Funding entity or bodies:

Empresa privada

Type of entity: **Altres organismes

City funding entity: Unknown

Start date: 10/03/2022

Duration: 1 year - 1 day

Total amount: 25.555,2 €

2 Name of the project: Acuerdo con la empresa Planet Horizons Technologies SA.

Degree of contribution: Researcher

Entity where project took place: Universidad de las Islas Baleares **Type of entity:** **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI....): Hipólito Medrano

Nº of researchers: 2

Participating entity/entities: Universidad de las Islas Baleares

Funding entity or bodies:

Universidad de las Islas Baleares

Type of entity: **Universitats

City funding entity: Spain

Planet Horizons Technologies SA

Type of entity: **Altres empreses

City funding entity: Switzerland

Start date: 2015

Total amount: 33.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Margalida Roig-Oliver; Cyril Douthe; Josefina Bota; Jaume Flexas. Cell wall thickness and composition are related to photosynthesis in Antarctic mosses. *Physiologia Plantarum*. 173 - 4, (Denmark): 2021. Available on-line at: <<https://onlinelibrary.wiley.com/doi/full/10.1111/ppl.13533>>. ISSN 0031-9317
DOI: <https://doi.org/10.1111/ppl.13533>
Handle: <http://hdl.handle.net/11201/156473>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Total no. authors: 4
- 2** Melaouhi, A.; Baraza, E.; Escalona, J. M.; El-AouOuah, H.; Mahjoub, I.; Bchir, A.; Bota, J. Physiological and biochemical responses to water deficit and recovery of two olive cultivars (*Olea europaea* L., Arbequina and Empeltre cvs.) under Mediterranean conditions. *Theoretical And Experimental Plant Physiology*. 33 - 4, pp. 369 - 383. (Brazil): 2021. ISSN 2197-0025
DOI: <https://doi.org/10.1007/s40626-021-00219-9>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
- 3** Margalida Roig-Oliver; Mateu Fullana-Pericàs; Josefina Bota; Jaume Flexas. Adjustments in photosynthesis and leaf water relations are related to changes in cell wall composition in *Hordeum vulgare* and *Triticum aestivum* subjected to water deficit stress. *Plant Science*. 311 - 111015, pp. 1 - 8. (Ireland): 2021. ISSN 0168-9452
DOI: <https://doi.org/10.1016/j.plantsci.2021.111015>
Handle: <http://hdl.handle.net/11201/156474>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Total no. authors: 4
- 4** Margalida Roig-Oliver; Panagiota Bresta; Dimosthenis Nikolopoulos; Josefina Bota; Jaume Flexas. Dynamic changes in cell wall composition of mature sunflower leaves under distinct water regimes affect photosynthesis. *Journal of Experimental Botany*. 72 - 22, pp. 7863 - 7875. (United Kingdom): 2021. ISSN 0022-0957
DOI: <https://doi.org/10.1093/jxb/erab372>
Handle: <http://hdl.handle.net/11201/158184>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
- 5** Margalida Roig-Oliver; Catherine Rayon; François Fournet; Romain Rouillard; Josefina Bota; Jaume Flexas. Reduced photosynthesis in *Arabidopsis thaliana* atpme17.2 and atpae11.1 mutants is associated to altered cell wall composition. *Physiologia Plantarum*. (Denmark): 2020. ISSN 0031-9317
DOI: <https://doi.org/10.1111/ppl.13186>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 4.5 **Journal in the top 25%:** Yes

**Position of publication:** 28**No. of journals in the cat.:** 235

- 6** Margalida Roig-Oliver; Panagiota Bresta; Miquel Nadal; Georgios Liakopoulos; Dimosthenis Nikolopoulos; George Karabourniotis; Josefina Bota; Jaume Flexas. Cell wall composition and thickness affect mesophyll conductance to CO₂ diffusion in *Helianthus annuus* under water deprivation. *Journal of Experimental Botany*. (United Kingdom): 2020. ISSN 0022-0957

DOI: <https://doi.org/10.1093/jxb/eraa413>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 6.992**Journal in the top 25%:** Yes**Position of publication:** 13**No. of journals in the cat.:** 235

- 7** Margalida Roig-Oliver; Miquel Nadal; Josefina Bota; Jaume Flexas. Ginkgo biloba and *Helianthus annuus* show different strategies to adjust photosynthesis, leaf water relations, and cell wall composition under water deficit stress. *Photosynthetica*. 58 - 5, pp. 1098 - 1106. (Czech Republic): 2020. ISSN 0300-3604

DOI: <https://doi.org/10.32615/ps.2020.063>**Handle:** <http://hdl.handle.net/11201/155650>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 3.189**Journal in the top 25%:** No**Position of publication:** 68**No. of journals in the cat.:** 235

- 8** Miquel Nadal; Margalida Roig-Oliver; Josefina Bota; Jaume Flexas. Leaf age-dependent elastic adjustment and photosynthetic performance under drought stress in *Arbutus unedo* seedlings. *Flora*. (Germany): 2020. ISSN 0367-2530

DOI: <https://doi.org/10.1016/j.flora.2020.151662>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** ECOLOGY**Impact index in year of publication:** 2.088**Journal in the top 25%:** No**Position of publication:** 104**No. of journals in the cat.:** 166**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 2.088**Journal in the top 25%:** No**Position of publication:** 111**No. of journals in the cat.:** 235

- 9** López-García, Álvaro; Jurado-Rivera, José A.; Bota, Josefina; Cifre, Josep; Baraza, Elena. Space and Vine Cultivar Interact to Determine the Arbuscular Mycorrhizal Fungal Community Composition. *Journal Of Fungi*. 6 - 4, pp. 1 - 18. (Switzerland): 2020. Available on-line at: <<https://www.mdpi.com/2309-608X/6/4/317>>. ISSN 2309-608X

DOI: <https://doi.org/10.3390/jof6040317>**Handle:** <http://hdl.handle.net/11201/154577>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Total no. authors:** 5**Impact source:** ISI**Category:** MICROBIOLOGY**Impact index in year of publication:** 5.816**Journal in the top 25%:** Yes**Position of publication:** 24**No. of journals in the cat.:** 137

**Impact source:** ISI**Impact index in year of publication:** 5.816**Position of publication:** 4**Category:** MYCOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 29

- 10** Igor Florez-Sarasa; Maria José Clemente-Moreno; Josep Cifre; Miquel Capó; Miquel Llompart; Alisdair R. Fernie; Josefina Bota. Differences in metabolic and physiological responses between local and widespread grapevine cultivars under water deficit stress. *Agronomy-Basel*. 10 - 7, pp. 1 - 21. (Switzerland): 2020. ISSN 2073-4395

Type of production: Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 3.417**Journal in the top 25%:** Yes**Position of publication:** 57**No. of journals in the cat.:** 235**Impact source:** ISI**Category:** AGRONOMY**Impact index in year of publication:** 3.417**Journal in the top 25%:** Yes**Position of publication:** 16**No. of journals in the cat.:** 91

- 11** Esther Hernández-Montes; Magdalena Tomás; José M. Escalona; Josefina Bota; Hipolito Medrano. Leaf growth rate and nitrogen content determine respiratory costs during leaf expansion in grapevines. *Physiologia Plantarum*. 165, pp. 746 - 754. (Denmark): 2019. ISSN 0031-9317

DOI: <https://doi.org/10.1111/ppl.12769>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Total no. authors:** 5**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 3**Journal in the top 25%:** Yes**Position of publication:** 24**No. of journals in the cat.:** 234

- 12** Capó-Bauçà, S.; Marqués, A.; Llopis-Vidal, N.; Bota, J.; Baraza, E. Long-term establishment of natural green cover provides agroecosystem services by improving soil quality in a Mediterranean vineyard. *Ecological Engineering*. 127, pp. 285 - 291. (Holland): 2019. ISSN 0925-8574

Type of production: Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** ECOLOGY**Impact index in year of publication:** 3.512**Journal in the top 25%:** Yes**Position of publication:** 37**No. of journals in the cat.:** 168**Impact source:** ISI**Category:** ENVIRONMENTAL SCIENCES**Impact index in year of publication:** 3.512**Journal in the top 25%:** No**Position of publication:** 81**No. of journals in the cat.:** 265**Impact source:** ISI**Category:** ENGINEERING, ENVIRONMENTAL**Impact index in year of publication:** 3.512**Journal in the top 25%:** No**Position of publication:** 21**No. of journals in the cat.:** 53

- 13** Margalida Roig-Oliver; Miquel Nadal; María José Clemente-Moreno; Josefina Bota; Jaume Flexas. Cell wall components regulate photosynthesis and leaf water relations of *Vitis vinifera* cv. Grenache grown under different environmental conditions. *Journal of Plant Physiology*. (Germany): 2019. ISSN 0176-1617

DOI: <https://doi.org/10.1016/j.jplph.2019.153084>**Type of production:** Scientific paper**Format:** Journal

**Position of signature:** 0**Impact source:** ISI**Impact index in year of publication:** 3.013**Position of publication:** 49**Category:** PLANT SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 234

- 14** Juan Rita; Miquel Capó; Eva Moragues; Josefina Bota; Joana Cursach. Hybridization processes in an introduced subpopulation of an endangered plant: Management strategies to guarantee the conservation of *Helosciadium bermejoi* (Apiaceae). *Journal For Nature Conservation*. 41, pp. 26 - 34. (Germany): 2018. Available on-line at: <<https://doi.org/10.1016/j.jnc.2017.10.006>>. ISSN 1617-1381

DOI: <https://doi.org/10.1016/j.jnc.2017.10.006>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Total no. authors:** 5**Impact source:** ISI**Category:** ECOLOGY**Impact index in year of publication:** 2.289**Journal in the top 25%:** No**Position of publication:** 82**No. of journals in the cat.:** 164**Impact source:** ISI**Category:** BIODIVERSITY CONSERVATION**Impact index in year of publication:** 2.289**Journal in the top 25%:** No**Position of publication:** 22**No. of journals in the cat.:** 58

- 15** Seoane, P.; Espigares, M.; Carmona, R.; Polonio, A.; Quintana, J.; Cretazzo, E.; Bota, J.; Pérez-García, A.; Alché, J de Dios.; Gómez, L.; Claros, M.G. TransFlow: A modular framework for assembling and assessing accurate de novo transcriptomes in non-model organisms. *Bmc Genomics*. 19 - 14, pp. 416. (United Kingdom): 2018. ISSN 1471-2164

DOI: <https://doi.org/10.1186/s12859-018-2384-y>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** BIOTECHNOLOGY & APPLIED MICROBIOLOGY**Impact index in year of publication:** 3.501**Journal in the top 25%:** No**Position of publication:** 48**No. of journals in the cat.:** 162**Impact source:** ISI**Category:** GENETICS & HEREDITY**Impact index in year of publication:** 3.501**Journal in the top 25%:** No**Position of publication:** 58**No. of journals in the cat.:** 174

- 16** Fuentes S.; Hernández-Montes E.; Escalona JM.; Bota J.; Gonzalez Viejo C.; Poblete-Echeverría C.; Tongson E.; Medrano H. Automated grapevine cultivar classification based on machine learning using leaf morpho-colorimetry, fractal dimension and near-infrared spectroscopy parameters. *Computers and Electronics in Agriculture*. 151, pp. 311 - 318. (United Kingdom): 2018. ISSN 0168-1699

DOI: <https://doi.org/10.1016/j.compag.2018.06.035>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** AGRICULTURE, MULTIDISCIPLINARY**Impact index in year of publication:** 3.171**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 56**Impact source:** ISI**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Impact index in year of publication:** 3.171**Journal in the top 25%:** No

**Position of publication:** 31**No. of journals in the cat.:** 106

- 17** El Aou-ouad, H.; Bota, J.; Obata, T.; Montero, R.; Fernie, A.R.; Medrano, H.; Pou, A.; Florez-Sarasa, I. Combined drought and virus infection trigger aspects of respiratory metabolism related to grapevine physiological responses. *Journal of Plant Physiology*. 231, pp. 19 - 30. (Germany): 2018. ISSN 0176-1617

DOI: <https://doi.org/10.1016/j.jplph.2018.08.009>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 2.825**Journal in the top 25%:** Yes**Position of publication:** 55**No. of journals in the cat.:** 228

- 18** El Aou-ouad H; Pou A; Tomas M; Montero R; Ribas-Carbó M; Medrano H; Bota J. Combined effect of virus infection and water stress on water flow and water economy in grapevines. *Physiologia Plantarum*. 160, pp. 171 - 184. (Denmark): 2017. ISSN 0031-9317

Type of production: Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 2.58**Journal in the top 25%:** No**Position of publication:** 56**No. of journals in the cat.:** 223

- 19** Montero, R.; El aou ouad, H.; Pacifico, D.; Marzachi, C.; Castillo, N.; García, E.; Del Saz, N. F.; Florez-Sarasa, I.; Flexas, J.; Bota, J. Effects of Grapevine leafroll-associated virus 3 on the physiology in asymptomatic plants of *Vitis vinifera* L. *Annals of Applied Biology*. 171, pp. 155 - 171. (United Kingdom): 2017. ISSN 0003-4746

Type of production: Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** AGRICULTURE, MULTIDISCIPLINARY**Impact index in year of publication:** 2.046**Journal in the top 25%:** Yes**Position of publication:** 10**No. of journals in the cat.:** 57

- 20** Gemma Marsal; Josefina Bota; Antoni Martorell; Joan Miquel Canals; Fernando Zamora; Francesca Fort. Local cultivars of *Vitis vinifera* L. in Spanish islands: Balearic Archipelago. *Scientia Horticulturae*. 226, pp. 122 - 132. (Holland): 2017. ISSN 0304-4238

Type of production: Scientific paper**Format:** Journal**Position of signature:** 0**Impact source:** ISI**Category:** HORTICULTURE**Impact index in year of publication:** 1.76**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 37

- 21** Muñoz Organero, G.; De Andrés M.T.; Vargas, A.; Aller, M.; Serrano, M.J.; Cretazzo, E.; Pérez, J.A.; Puertas, M.B.; Gogorcena, Y.; Giménez, R.; Andreu, L.J.; Bruna, P.; Usón, J.J.; Loureiro, M.D.; Bota, J.; Medina, C.E.; González, F.J.; Gutiérrez, M.R.; Martínez, J.; Chacón, J.L.; Mena, A.; Fernández González, M.; Rubio, J.A.; Arranz, C.; Yuste, J.; Domingo, C.; Puig, S.; Puig, A.; González, J.B.; Díaz, E.; Ribas, A.; Rego, F.; Martínez, M.C.; Santiago, J.L.; Ruiz García, L.; Martínez Cutillas, A.; Fuentes Denia, A.; Cibrián, J.F.; Sagüés, A.; Suberviola, J.; Royo, J.B.; Santesteban, L.G.; Urrestarazu, J.; Lauzirika, M.; Fernández González, M.; Aragonés, A.; Ibáñez, J.; Baroja, E.; Pérez Sotés, J.L.; Martínez-Zapater, J.M.; Salazar, D.; López, I.; Velázquez, B.; Chirivella, C.; García, J.; Jiménez, C.; Martínez, R.; De la Rosa, L.; Bravo, M.; Cabello, F. La enorme diversidad varietal de vid en España, en proceso de descubrimiento. *ACE Revista d'enologia*. Rubes Editorial, 2017. Available on-line at: http://www.acenologia.com/cienciaytecnologia/diversidad_varietal_vid_cienc0417.htm. ISSN 0212-842X

Handle: <http://hdl.handle.net/11201/148318>

Type of production: Scientific paper
Position of signature: 0

Format: Journal

- 22** Bota, J.; Tomàs, M.; Flexas, J.; Medrano, H.; Escalona, J.M. Differences among grapevine cultivars in their stomatal behavior and water use efficiency under progressive water stress. *Agricultural Water Management*. 164, pp. 91 - 99. (Holland): 2016. ISSN 0378-3774

DOI: <https://doi.org/10.1016/j.agwat.2015.07.016>

Type of production: Scientific paper
Position of signature: 0

Format: Journal

Impact source: ISI

Category: WATER RESOURCES

Impact index in year of publication: 2.848

Journal in the top 25%: Yes

Position of publication: 14

No. of journals in the cat.: 88

Impact source: ISI

Category: AGRONOMY

Impact index in year of publication: 2.848

Journal in the top 25%: Yes

Position of publication: 13

No. of journals in the cat.: 83

- 23** Montero, R.; Mundy, D.; Albright, A.; Grose, C.; Trought, M.C.T.; Cohen, D.; Chooi, K.M.; MacDiarmid, R.; Flexas, J.; Bota, J. Effects of Grapevine Leafroll associated Virus 3 (GLRaV-3) and duration of infection on fruit composition and wine chemical profile of *Vitis vinifera* L. cv. Sauvignon blanc. *Food Chemistry*. 197, pp. 1177 - 1183. (United Kingdom): 2016. ISSN 0308-8146

Type of production: Scientific paper
Position of signature: 0

Format: Journal

Impact source: ISI

Category: CHEMISTRY, APPLIED

Impact index in year of publication: 4.529

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 72

Impact source: ISI

Category: FOOD SCIENCE & TECHNOLOGY

Impact index in year of publication: 4.529

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 130

Impact source: ISI

Category: NUTRITION & DIETETICS

Impact index in year of publication: 4.529

Journal in the top 25%: Yes

Position of publication: 10

No. of journals in the cat.: 81

- 24** Montero, R.; El aou ouad, H.; Flexas, J.; Bota, J. Effects of Grapevine Leafroll associated virus 3 (GLRaV-3) on plant carbon balance in *Vitis vinifera* L. cv. Giró Ros. *Theoretical And Experimental Plant Physiology*. 28, pp. 1 - 10. (Brazil): 2016. ISSN 2197-0025

DOI: <https://doi.org/10.1007/s40626-015-0050-6>

Handle: <http://hdl.handle.net/11201/148068>

Type of production: Scientific paper
Position of signature: 4

Format: Journal

Total no. authors: 4

Impact source: ISI

Category: PLANT SCIENCES

Impact index in year of publication: 1.045

Journal in the top 25%: No

Position of publication: 133

No. of journals in the cat.: 212

- 25** El Aou-Ouad, H.; Montero, R.; Medrano, H.; Bota, J. Interactive effects of grapevine leafroll-associated virus 3 (GLRaV-3) and water stress on the physiology of *Vitis vinifera* L. cv. Malvasia de Banyalbufar and Giro-Ros. *Journal of Plant Physiology*. 196, pp. 106 - 115. (Germany): 2016. ISSN 0176-1617

DOI: <https://doi.org/10.1016/j.jplph.2016.04.003>



Type of production: Scientific paper
Position of signature: 4
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 3.121
Position of publication: 37

Format: Journal

Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 212

- 26** Montero, R.; Pérez-Bueno, M.L.; Barón, M.; Florez-Sarasa, I.; Tohge, T.; Fernie, A.R.; El Aou ouad, H.; Flexas, J.; Bota, J. Alterations in primary and secondary metabolism in *Vitis vinifera* 'Malvasía de Banyalbufar' upon infection with Grapevine Leafroll associated Virus 3 (GLRaV-3). *Physiologia Plantarum*. 157 - 4, pp. 442 - 452. (Denmark): 2016. ISSN 0031-9317

Type of production: Scientific paper
Position of signature: 0
Impact source: ISI
Impact index in year of publication: 3.33
Position of publication: 32

Format: Journal
Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 212

- 27** Escalona, JM; Pou, A; Tortosa, I; Hernández-Montes, E; Tomás, M; Martorell, S; Bota, J; Medrano, H. Using whole-plant chambers to estimate carbon and water fluxes in field-grown grapevines. *Theoretical And Experimental Plant Physiology*. 28 - 2, pp. 241 - 254. (Brazil): 2016. ISSN 2197-0025

Type of production: Scientific paper
Position of signature: 0
Impact source: ISI
Impact index in year of publication: 1.045
Position of publication: 133

Format: Journal
Category: PLANT SCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 212

- 28** Tortosa, I; Escalona, JM; Bota, J; Tomás, M; Hernández, E; García-Escudero, E; Medrano, H. Exploring the genetic variability in water use efficiency: Evaluation of inter and intra cultivar genetic diversity in grapevines. *Plant Science*. 251, pp. 35 - 43. (Ireland): 2016. ISSN 0168-9452

Type of production: Scientific paper
Position of signature: 0
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.437
Position of publication: 100

Format: Journal
Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 290

Impact source: ISI
Impact index in year of publication: 3.437
Position of publication: 28

Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 212

- 29** Montero R; Ribas-Carbó M; Del Saz NF; El Aou-ouad H; Berry JA; Flexas J; Bota J. Improving respiration measurements with gas exchange analyzers. *Journal of Plant Physiology*. 207, pp. 73 - 77. (Germany): 2016. ISSN 0176-1617

Type of production: Scientific paper
Position of signature: 0
Impact source: ISI
Impact index in year of publication: 3.121
Position of publication: 37

Format: Journal
Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 212

- 30** Medrano, H.; Tomás, M.; Martorell, S.; Flexas, J.; Hernández, E.; Rosselló, J.; Pou, A.; Escalona, J.M.; Bota, J. From leaf to whole-plant water use efficiency (WUE) in complex canopies: Limitations of leaf WUE as a selection target. *The Crop Journal*. 3, pp. 220 - 228. Elsevier, 2015. ISSN 2214-5141
Handle: <http://hdl.handle.net/11201/148653>
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
- 31** Bota, J.; Cretazzo, E.; Montero, R.; Rosselló, J.; Cifre, J. Grapevine fleck virus (GFKV) elimination in a selected clone of Manto Negro cv. and its effects on photosynthesis. *Journal International Des Sciences de la Vigne Et Du Vin*. 48 - 1, pp. 11 - 19. (France): 2014. ISSN 1151-0285
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Impact source: ISI **Category:** FOOD SCIENCE & TECHNOLOGY
Impact index in year of publication: 0.804 **Journal in the top 25%:** No
Position of publication: 96 **No. of journals in the cat.:** 123
Impact source: ISI **Category:** HORTICULTURE
Impact index in year of publication: 0.804 **Journal in the top 25%:** No
Position of publication: 18 **No. of journals in the cat.:** 33
- 32** Bota, J.; Conesa, M.À.; Ochogavía, J.M.; Medrano, H.; Francis, D.M.; Cifre, J. Characterization of a landrace collection for Tomàtiga de Ramellet (*Solanum lycopersicum* L.) from the Balearic Islands. *Genetic Resources and Crop Evolution*. 61, pp. 1131 - 1146. (Holland): 2014. ISSN 0925-9864
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 1.482 **Journal in the top 25%:** No
Position of publication: 93 **No. of journals in the cat.:** 204
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: 1.482 **Journal in the top 25%:** No
Position of publication: 26 **No. of journals in the cat.:** 81
Source of citations: WOS **Citations:** 1
- 33** Velasco, L.; Bota, J.; Montero, R.; Cretazzo, E. Differences of three ampeloviruses multiplication in plant contribute to explain their incidences in vineyards. *Plant Disease*. 98 - 3, pp. 395 - 400. (United States of America): 2014. ISSN 0191-2917
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 2.742 **Journal in the top 25%:** Yes
Position of publication: 40 **No. of journals in the cat.:** 204
- 34** Tomás, M.; Bota, J.; Medrano, H.; Escalona, J.M. Variabilidad genética en la eficiencia en el uso del agua. *Enoviticultura*. 31, pp. 40 - 47. 2014. ISSN 2013-6099
Type of production: Scientific paper **Format:** Journal
Position of signature: 0



- 35** Cretazzo, E.; Padilla, C.; Bota, J.; Rosselló, J.; Vadell, J.; Cifre, J. Virus interference on terroir: the case of moll, autochthonous grapevine variety from majorca (spain). *Scientia Agricola*. 70 - 2, pp. 125 - 136. (Brazil): 2013. ISSN 0103-9016
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 6
Impact source: ISI **Category:** AGRICULTURE, MULTIDISCIPLINARY
Impact index in year of publication: 0.864 **Journal in the top 25%:** No
Position of publication: 20 **No. of journals in the cat.:** 56
- 36** Bota, J.; Montero, R.; Luna, J.M.; Martorell, A.; Escalona, J.M. Variedades de vid minoritarias en las Islas Baleares. *La semana Vitivinícola*. 3395, pp. 1 - 6. 2013. ISSN 0037-184X
Type of production: Scientific paper **Format:** Journal
Position of signature: 0
- 37** Escalona, J.M.; Tomás, M.; Bota, J.; Ribas-Carbó, M.; Medrano, H. Genetic variation of plant water status, water use efficiency and grape yield and quality in response to soil water availability in grapevine (*Vitis vinifera* L.). *Acta Horticulturae*. 931, pp. 143 - 150. (Holland): 2012. ISSN 0567-7572
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
- 38** Bota, J.; Luna, J.M.; Escalona, J.M.; Martorell, A. Les varietats minoritàries de les Illes Balears. *Dossiers Agraris ICEA*. 13, pp. 25 - 55. Institució Catalana d'Estudis Agraris, 2012. ISSN 1135-2108
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 4
- 39** Martorell, A.; Bota, J.; Luna, J.M. Evolució del cultiu de les varietats de raïm a Balears. *Dossiers Agraris ICEA*. 13, pp. 7 - 23. Institució Catalana d'Estudis Agraris, 2012. ISSN 1135-2108
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 3
- 40** Rosselló, J.; Cretazzo, E.; Bota, J.; Medrano, H.; Caràmbula, C.; Cifre, J. Selecció clonal de les varietats de raïm autòctones majoritàries de les Balears: Manto Negro, Callet i Moll (Premsal Blanc). *Dossiers Agraris ICEA*. 13, pp. 57 - 68. Institució Catalana d'Estudis Agraris, 2012. ISSN 1135-2108
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
- 41** Perez-Martin, A.; Flexas, J.; Ribas-Carbo, M.; Bota, J.; Tomas, M.; Infante, J.M.; Diaz-Espejo, A. Interactive effects of soil water deficit and air vapour pressure deficit on mesophyll conductance to CO₂ in *Vitis vinifera* and *Olea europaea*. *Journal of Experimental Botany*. 60 - 2, pp. 2391. (United Kingdom): 2009. ISSN 0022-0957
DOI: <https://doi.org/10.1093/jxb/erp145> **Format:** Journal
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 7
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 4.271 **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 173
Source of citations: WOS **Citations:** 32



- 42** Flexas, J.; Baron, M.; Bota, J.; Ducruet, J.M.; Galle, A.; Galmes, J.; Jimenez, M.; Pou, A.; Ribas-Carbo, M.; Sajnani, C.; Tomas, M.; Medrano, H. Photosynthesis limitations during water stress acclimation and recovery in the drought-adapted Vitis hybrid Richter-110 (V-berlandierixV-rupestris). *Journal of Experimental Botany*. 60 - 8, pp. 2361 - 2377. (United Kingdom): 2009. ISSN 0022-0957
DOI: <https://doi.org/10.1093/jxb/erp069>
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 12
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 4.271 **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 173
Source of citations: WOS **Citations:** 72
- 43** Pou, A.; Flexas, J.; Alsina, M.M.; Bota, J.; Carambula, C.; Herralde, F.; Galmés, J.; Lovisolo, C.; Jiménez, M.; Ribas-Carbó, M.; Rusjan, D.; Secchi, F.; Tomàs, M.; Zsófi, Z.; Medrano, H. Adjustments of water-use efficiency by stomatal regulation during drought and recovery in the drought-adapted Vitis hybrid Richter-110 (V. berlandieri x V. rupestris). *Physiologia Plantarum*. 134 - 2, pp. 313 - 323. (Denmark): 2008. ISSN 0031-9317
DOI: <https://doi.org/10.1111/j.1399-3054.2008.01138.x>
Type of production: Scientific paper **Format:** Journal
Position of signature: 4
Total no. authors: 15
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 2.334 **Journal in the top 25%:** Yes
Position of publication: 31 **No. of journals in the cat.:** 155
Source of citations: WOS **Citations:** 48
- 44** Medrano, H.; Bota, J.; Cifre, J.; Flexas, J.; Ribas-Carbó, M.; Gulías, J. Eficiencia del uso del agua por las plantas. *Investigaciones Geográficas*. 43, pp. 63 - 84. (Spain): Instituto Interuniversitario de Geografía. Universidad de Alicante, 2007. ISSN 0213-4691
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 6
- 45** Flexas, J.; Bota, J.; Cifre, J.; Galmés, J.; Gulías, J.; Ribas-Carbó, M.; Medrano, H. Ecophysiology of photosynthesis in the new century: linking genes and molecules with plant, community and ecosystem processes. *Biological Research*. 40, (Chile): 2007. ISSN 0716-9760
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 7
Impact source: ISI **Category:** BIOLOGY
Impact index in year of publication: 1.057 **Journal in the top 25%:** No
Position of publication: 44 **No. of journals in the cat.:** 70
- 46** Medrano, H.; Galmés, J.; Ribas-Carbó, M.; Gulías, J.; Bota, J.; Pou, A.; Moreno, M.; Cifre, J.; Flexas, J. Photosynthesis and water use efficiency: improving plant productivity in semi-arid environments (Meeting Abstract). *Photosynthesis Research*. 91 - 2-3, pp. 277 - 277. (Holland): 2007. ISSN 0166-8595
Type of production: Scientific paper **Format:** Journal
Position of signature: 5

**Total no. authors:** 9**Impact source:** ISI**Impact index in year of publication:** 2.139**Position of publication:** 35**Source of citations:** WOS**Category:** PLANT SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 152**Citations:** 3

- 47** Flexas, J.; Bota, J.; Galmés, J.; Medrano, H.; Ribas-Carbó, M. Keeping a positive carbon balance under adverse conditions: responses of photosynthesis and respiration to water stress. *Physiologia Plantarum*. 127, pp. 343 - 352. (Denmark): 2006. ISSN 0031-9317

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 2.169**Journal in the top 25%:** Yes**Position of publication:** 30**No. of journals in the cat.:** 147**Source of citations:** WOS**Citations:** 198

- 48** Flexas, J.; Ribas-Carbó, M.; Bota, J.; Galmés, J.; Henkle, M.; Martínez Cañellas, S.; Medrano, H. Decreased Rubisco activity during water stress is not induced by decreased relative water content but related to conditions of low stomatal conductance and chloroplast CO₂ concentration. *New Phytologist*. 172, pp. 73 - 82. (United Kingdom): 2006. ISSN 0028-646X

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 7**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 4.245**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 147**Source of citations:** WOS**Citations:** 96

- 49** Flexas, J.; Ribas-Carbo, M.; Hanson, D.T.; Bota, J.; Otto, B.; Cifre, J.; McDowell, N.; Medrano, H.; Kaldenhoff, R. Tobacco aquaporin NtAQP1 is involved in mesophyll conductance to CO₂ in vivo. *Plant Journal*. 48, pp. 427 - 439. (United Kingdom): 2006. ISSN 0960-7412

Type of production: Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 9**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 6.565**Journal in the top 25%:** Yes**Position of publication:** 6**No. of journals in the cat.:** 147**Source of citations:** WOS**Citations:** 147

- 50** Medrano, H.; Bota, J.; Escalona, J.M.; Ribas-Carbó, M.; Flexas, J.; Gulias, J. Variability of intrinsic water use efficiency in Mediterranean grapevines. *Le Progrès agricole et viticole*. 123 - 6, pp. 112 - 117. (France): 2006.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 6

- 51** Cifre, J.; Bota, J.; Escalona, JM.; Medrano, H.; Flexas, J. Physiological tools for irrigation scheduling in grapevines: an open gate to improve water use efficiency?. *Agriculture Ecosystems & Environment*. 106, pp. 159 - 170. (Holland): 2005. ISSN 0167-8809
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
Impact source: ISI **Category:** AGRICULTURE, MULTIDISCIPLINARY
Impact index in year of publication: 1.495 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 31
Impact source: ISI **Category:** ECOLOGY
Impact index in year of publication: 1.495 **Journal in the top 25%:** No
Position of publication: 50 **No. of journals in the cat.:** 112
Impact source: ISI **Category:** ENVIRONMENTAL SCIENCES
Impact index in year of publication: 1.495 **Journal in the top 25%:** No
Position of publication: 48 **No. of journals in the cat.:** 140
Source of citations: WOS **Citations:** 90
- 52** Medrano, H.; Carambula, C.; Tomas, M.; Cifre, J.; Bota, J.; Escalona, J.M. Malvasía de Banyalbufar. Recuperación y caracterización de una variedad en peligro de extinción. *Tecnología del vino*. 27, pp. 34 - 38. (Spain): 2005. ISSN 1578-6153
Type of production: Scientific paper **Format:** Journal
Position of signature: 5
Total no. authors: 6
- 53** Flexas J; Bota J; Cifre J; Escalona JM; Galmés J; Gulías J; Lefi E; Martínez S; Moreno MT; Ribas-Carbó M; Riera D; Sampol B; Medrano H. Understanding down-regulation of photosynthesis under water stress: future prospects and searching for physiological tools for irrigation management. *Annals of Applied Biology*. 144, pp. 273 - 283. (United Kingdom): 2004. ISSN 0003-4746
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 13
Impact source: ISI **Category:** AGRICULTURE, MULTIDISCIPLINARY
Impact index in year of publication: 1.006 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 29
Source of citations: WOS **Citations:** 107
- 54** Bota, J.; Medrano, H.; Flexas, J. Is photosynthesis limited by decreased Rubisco activity and RuBP content under progressive water stress?. *New Phytologist*. 162 - 3, pp. 671 - 681. (United Kingdom): 2004. ISSN 0028-646X
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 3
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 3.355 **Journal in the top 25%:** Yes
Position of publication: 13 **No. of journals in the cat.:** 138
Source of citations: WOS **Citations:** 119
Relevant results: TOP PAPER EN WoS



- 55** Flexas, J.; Bota, J.; Loreto, F.; Cornic, G.; Sharkey, T. Diffusive and metabolic limitations to photosynthesis under drought and salinity in C3 plants. *Plant Biology*. 6, pp. 269 - 279. (Germany): 2004. ISSN 1435-8603
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 1.582 **Journal in the top 25%:** No
Position of publication: 40 **No. of journals in the cat.:** 138
Source of citations: WOS **Citations:** 304
- 56** Bota, J.; Stasyk, O.; Flexas, J.; Medrano, H.,. Effects of water stress on partitioning of ¹⁴C-labelled photosynthates in *Vitis vinifera*. *Functional Plant Biology*. 31, pp. 697 - 708. (Australia): 2004. ISSN 1445-4408
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 4
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 2.075 **Journal in the top 25%:** Yes
Position of publication: 28 **No. of journals in the cat.:** 138
Source of citations: WOS **Citations:** 18
- 57** Escalona, JM.; Flexas, J.; Bota, J.; Medrano, H. Distribution of leaf photosynthesis and transpiration within grapevine canopies under different drought conditions. *Vitis*. 42 - 2, pp. 57 - 64. (Germany): 2003. ISSN 0042-7500
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 4
Impact source: ISI **Category:** HORTICULTURE
Impact index in year of publication: 1.012 **Journal in the top 25%:** No
Position of publication: 8 **No. of journals in the cat.:** 23
Source of citations: WOS **Citations:** 36
- 58** Sampol, B.; Bota, J.; Riera, D.; Medrano, H.; Flexas, J. Analysis of the virus-induced inhibition of photosynthesis in malmesey grapevines. *New Phytologist*. 160, pp. 403 - 412. (United Kingdom): 2003. ISSN 0028-646X
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 3.118 **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 136
Source of citations: WOS **Citations:** 24
- 59** Medrano, H.; Flexas, J.; Bota, J.; Escalona, J.M.; J. Cifre. A ten year study on the physiology of two Spanish grapevine cultivars under field conditions: effects of water availability from leaf photosynthesis to grape yield and quality. *Functional Plant Biology*. 30, pp. 607 - 619. (Australia): 2003. ISSN 1445-4408
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 5
Impact source: ISI **Category:** PLANT SCIENCES

**Impact index in year of publication:** 1.747**Position of publication:** 32**Source of citations:** WOS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 136**Citations:** 89

- 60** Bota, J.; Flexas, J.; Keys, A. J.; Loveland, J.; Parry, M. A. J.; Medrano, H. CO₂/O₂ specificity factor of Ribulose-1,5-bisphosphate carboxylase/oxygenase in grapevines (*Vitis vinifera* L.): first in vitro determination and comparison to in vivo estimations. *Vitis*. 41 - 4, pp. 163 - 168. (Germany): 2002. ISSN 0042-7500

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Category:** HORTICULTURE**Impact index in year of publication:** 0.675**Journal in the top 25%:** No**Position of publication:** 9**No. of journals in the cat.:** 20**Source of citations:** WOS**Citations:** 13

- 61** Medrano, H.; Escalona, J.M.; Bota, J.; Gulías, J.; Flexas, J. Regulation of photosynthesis of C₃ plants in response to progressive drought: stomatal conductance as a reference parameter. *Annals of Botany*. 89 - special issue, pp. 895 - 905. (United Kingdom): 2002. ISSN 0305-7364

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 1.476**Journal in the top 25%:** No**Position of publication:** 36**No. of journals in the cat.:** 135**Source of citations:** WOS**Citations:** 263

- 62** Flexas J.; Bota J.; Escalona J.M.; Sampol B.; Medrano H. Effects of drought on photosynthesis in field-grown grapevines: an evaluation of stomatal and mesophyll limitations. *Functional Plant Biology*. 29, pp. 461 - 471. (Australia): 2002. ISSN 1445-4408

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 1.55**Journal in the top 25%:** No**Position of publication:** 135**No. of journals in the cat.:** 135**Source of citations:** WOS**Citations:** 257

Relevant results: INDICE TOMADO DEL NOMBRE ANTERIOR DE LA REVISTA: AUSTRALIAN JOURNAL OF PLANT PHYSIOLOGY EN 2002

- 63** Medrano, H.; Bota, J.; Abadía, A.; Sampol, B.; Escalona, J.M.; Flexas, J. Effects of drought on light-energy dissipation mechanisms in high-light-acclimated, field-grown grapevines. *Functional Plant Biology*. 29, pp. 1197 - 1207. (Australia): 2002. ISSN 1445-4408

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 6**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:** 1.55**Journal in the top 25%:** No

**Position of publication:** 135**No. of journals in the cat.:** 135**Source of citations:** WOS**Citations:** 26**Relevant results:** INDICE TOMADO DEL NOMBRE ANTERIOR DE LA REVISTA: AUSTRALIAN JOURNAL OF PLANT PHYSIOLOGY EN 2002

- 64** Bota, J.; Medrano, H. Recuperació de varietats autòctones minoritàries. El Mirall. Obra Cultural Balear. 128, pp. 12 - 14. (Spain): 2002. ISSN 0214-784X

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 2

- 65** Bota, J.; Flexas, J.; Medrano, H. Genetic variability and water use in Balearic grapevine cultivars. Annals of Applied Biology. 28, pp. 755 - 764. (United Kingdom): 2001. ISSN 0003-4746

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 3**Impact source:** ISI**Category:** AGRICULTURE, MULTIDISCIPLINARY**Impact index in year of publication:** 0.529**Journal in the top 25%:** No**Position of publication:** 10**No. of journals in the cat.:** 28**Source of citations:** WOS**Citations:** 57

- 66** Bota, J.; Arroyo-García, R.; Tortosa, I.; Medrano, H. Exploiting genetic diversity to improve environmental sustainability of mediterranean vineyards. Sustainable viticulture and winemaking practices. 2, pp. 25 - 44. (United States of America): Academic Press (Elsevier), 2022. ISBN 9780323851503

Type of production: Book chapter**Format:** Book**Total no. authors:** 4

- 67** Medrano, H.; Tortosa, I.; Montes, E.; Pou, A.; Balda, P.; Bota, J.; Escalona, J.M. Genetic improvement of grapevine (Vitis vinifera L.) Water use efficiency: Variability among varieties and clones. Water Scarcity and Sustainable Agriculture in Semiarid Environment. pp. 377 - 401. (Holland): Elsevier, 2018. ISBN 978-0-12-813164-0

Type of production: Book chapter**Format:** Book**Total no. authors:** 7

- 68** Escalona, J.M.; Luna, J.M.; Bota, J.; Garau, C.; Martorell, A. Varietats de vinya de les Illes Balears. (Spain): Conselleria de Mediambient, Agricultura i Pesca, 2017. ISBN 978-84-617-6448-8

Legal deposit: PM 1396-2016**Type of production:** Scientific book or monograph**Total no. authors:** 5

- 69** Ochogavia, J.M.; López, M.; Rigo, M.; Garau, M.M.; March, J.; Moscardó, J.; Jaume, J.; Conesa, M.A.; Galmés, J.; Bota, J.; Francis, D.; Medrano, H.; Martorell, A.; Cifre, J. Caracterització de les poblacions de tomàtiga de ramellet de les Illes Balears. 9, pp. 1 - 100. Palma de Mallorca (Spain): Conselleria de Presidència, 2011. ISBN 978-84-614-7284-0

Legal deposit: PM 0189-2011**Type of production:** Scientific book or monograph**Total no. authors:** 14

- 70** Jaume Flexas; María J. Clemente-Moreno; Josefina Bota; Tim J. Brodribb; Jorge Gago; Yusuke Mizokami; Miquel Nadal; Alicia V. Perera-Castro; Margalida Roig-Oliver; Daisuke Sugiura; Dongliang Xiong; Marc Carriquí. Cell wall thickness and composition are involved in photosynthetic limitation. *Journal of Experimental Botany*. 72 - 11, pp. 3971 - 3986. (United Kingdom): 2021. ISSN 0022-0957
DOI: <https://doi.org/10.1093/jxb/erab144>
Handle: <http://hdl.handle.net/11201/155646>
Type of production: Review **Format:** Journal
Position of signature: 0
Total no. authors: 12
- 71** Baraza, E.; Bota, J.; Romero-Munar, A.; Nogales, B. Aplicación de la técnica Biolog_z ECO-plate para el estudio del perfil fisiológico de las comunidades microbianas del suelo agrícola. *Ecosistemas*. 28 - 3, pp. 46 - 53. (Spain): 2019. ISSN 1697-2473
DOI: <https://doi.org/10.7818/ECOS.1687>
Type of production: Review **Format:** Journal
Position of signature: 2
Total no. authors: 4
- 72** Medrano, H.; Tomàs, M.; Martorell, S.; Escalona, J.M.; Pou, A.; Fuentes, S.; Flexas, J.; Bota, J. Improving water use efficiency of vineyards in semi-arid regions. A review. *Agronomy For Sustainable Development*. 35, pp. 499 - 517. (France): 2015. ISSN 1774-0746
DOI: <https://doi.org/10.1007/s13593-014-0280-z>
Type of production: Review **Format:** Journal
Position of signature: 0
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: 2.841 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 83
Impact source: ISI **Category:** GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY (SCIENCE ED.)
Impact index in year of publication: 2.841 **Journal in the top 25%:** Yes
Position of publication: 7 **No. of journals in the cat.:** 29
- 73** Bota, J.; Tomàs, M.; Luna, J.M.; Martorell, A.; Gallegos, J.M.; Medrano, H.; Escalona, J.M. El papel de las variedades minoritarias en una situación de cambio climático: variabilidad genética en la eficiencia en el uso del agua. 25, pp. 199 - 210. (Spain): Ministerio de Medio Ambiente y Medio Rural y Marino, 2012. ISBN 978-84-491-1191-4
Type of production: Scientific-technical report
Total no. authors: 7
- 74** Bota, J.; Montero, R.; Cretazzo, E.; Cifre, J. Eliminación de los virus del jaspeado y enrollado-3 en la variedad autóctona mallorquina Manto Negro y efectos sobre su fisiología. 28, pp. 151 - 161. (Spain): Ministerio de Medio Ambiente y Medio Rural y Marino, 2012. ISBN 978-84-491-1382-6
Type of production: Scientific-technical report
Total no. authors: 4
- 75** Bota, J.; Escalona, J.M.; Luna, J.M.; Mulet, D.; Martorell, A. Variedades minoritarias de las Baleares: Sabater, caracterización ampelográfica, evaluación agronómica y enológica. 24, pp. 93 - 102. (Spain): Ministerio de Medio Ambiente y Medio Rural y Marino, 2010. ISBN 978-84-491-1020-7
Type of production: Scientific-technical report
Total no. authors: 5

Works submitted to national or international conferences

- 1** **Title of the work:** Non-tillage improves the quality of the soil in a vineyard under Mediterranean conditions
Name of the conference: TERRAenVISION Environmental Issues Today: Scientific Solutions for Societal Issues
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Barcelona, Spain
Date of event: 2018
End date: 2018
Sebastià Capó-Bauçà; Natalia Llopis-Vidal; Alicia Marquès-Prieto; Josefina Bota; Elena Baraza.
- 2** **Title of the work:** Water and soil management in vineyard: relationship between soil microbial community and its functional role with grapevine physiology and productivity
Name of the conference: International Congress on Grapevine and Wine Sciences - ICSV
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Logroño, Spain
Date of event: 2018
End date: 2018
Organising entity: instituto de las ciencias de la vid y **Type of entity:** **Administracions Públiques el vino ICSV
Romero-Munar, A.; Sancho, P.; Baraza, E.; Hernández-Montes, E.; Bota, J.; Escalona, JM. "Preceedings de resúmenes".
- 3** **Title of the work:** Different physiological responses to water availability and its implication on water use efficiency in grapevine cultivars.
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Logroño, Spain
Date of event: 2018
End date: 2018
Organising entity: instituto de las ciencias de la vid y **Type of entity:** **Administracions Públiques el vino ICSV
Bota, J.; Llompарт, M.; Clemente, M.; Cretazzo, E.; Janer, I.; Capó, M.; Ribas-Carbó, M.; Cifre, J.
- 4** **Title of the work:** Agronomic characterization and quality of the olive oil of four olive varieties grown in hedgerow orchards in Mallorca
Name of the conference: 6º International Conference on the olive tree and olive products, Olive Biotech
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Sevilla, Spain
Date of event: 2018
End date: 2018
Organising entity: Instituto de Recursos Naturales y **Type of entity:** **Administracions Públiques Agrobiología
Mas, MA.; Escalona JM.; Garau C.; Simonet J.; Bota J. "Preceedings de resúmenes".

- 5** **Title of the work:** Influencia del riego y de la variedad de uva en la composición fenólica y en los parámetros de color de vinos tintos monovarietales de Merlot y Callet
Name of the conference: III Jornadas del Grupo de Trabajo de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Palma, Spain
Date of event: 2018
End date: 2018
Organising entity: Sociedad Española de Ciencias de Hortícolas
Llompart, M.; Arduino, P.; Balda, P.; Bota, J.; Martínez-Lapuente, L.; Guadalupe, Z.; Ayestarán, B.; Cifre, J.
- 6** **Title of the work:** Caracterización enológica de los vinos obtenidos con variedades minoritarias tintas de las Islas Baleares: Fogoneu, Gorgollassa, Escursac, Callet Negrella, Esperó de Gall, Mancès de Tibus y Giro Negre
Name of the conference: III Jornadas del Grupo de Trabajo de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Palma, Spain
Date of event: 2018
End date: 2018
Organising entity: Sociedad Española de Ciencias de Hortícolas
Gracia, M.; Balda, P.; Bota, J.; Garau, M.C.; Luna, J.M.; Medrano, H.; Martínez, L.; Guadalupe, Z.; Ayestarán, B.
- 7** **Title of the work:** Redescubriendo las variedades minoritarias de Baleares
Name of the conference: III Jornadas del Grupo de Trabajo de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Palma, Spain
Date of event: 2018
End date: 2018
Organising entity: Sociedad Española de Ciencias de Hortícolas
Carámbula, C.; El aou-ouad, H.; Balda, P.; Bota, J.
- 8** **Title of the work:** The interaction between biotic (virus) and abiotic (drought) stresses in grapevine
Name of the conference: GiESCO 20th international meeting
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Mendoza, Argentina
Date of event: 2017
End date: 2017
El Aououad, H.; Pou, A.; Montero, R.; Medrano, H.; Tomàs, M.; Florez-Sarasa, I.; Ribas-Carbo, M.; Cifre, J.; Bota, J. "Proceedings".
- 9** **Title of the work:** Physiological comparison of 10 grapevine varieties under severe water stress
Name of the conference: GiESCO 20th international meeting
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Mendoza, Argentina
Date of event: 2017
End date: 2017

Cretazzo, E.; Moreno-Ortega, G.; Bota, J.; Velasco, L.; Martínez-Ferri, E. "Proceedings".

- 10** **Title of the work:** Evaluación de la variabilidad genética inter e intra cultivar en la eficiencia del uso del agua en viña.
Name of the conference: II Jornadas de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2016
End date: 2016
Tortosa, I; Escalona, JM; Bota, J; Tomás, E; Hernández-Montes, E; García. "Resúmenes".
- 11** **Title of the work:** Saneamiento de dos variedades locales de vid; Argamusa y Gorgollasa
Name of the conference: II Jornadas de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2016
End date: 2016
El Aou-ouad, H; Llabrés, B; Carrió, FA; Cifre, J; Bota, J. "Resúmenes".
- 12** **Title of the work:** Nuevas prospecciones detectan homonimias en las variedades Maturana Tinta y Batista
Name of the conference: II Jornadas de Viticultura de la SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2016
End date: 2016
Balda, P; Bota, J; Ibáñez, J; Montero, R; Mena, A; García, E; Sancha, JC; Medrano, H; Martínez de Toda, F. "Resúmenes".
- 13** **Title of the work:** Water use efficiency and hydraulic conductance of two grapevine cultivars in response to biotic and abiotic stress
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Geographical area: International
Type of participation: 'Participatory - poster
City of event: Verona, Italy
Date of event: 2016
End date: 2016
El Aououad, H; Montero, R; Tomás, M; Pou, A; Medrano, H; Cifre, J; Bota, J.
- 14** **Title of the work:** Respiratory costs of young and mature leaves in grapevines under different soil water availability. Implications in plant carbon balance
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Geographical area: International
Type of participation: 'Participatory - poster
City of event: Verona, Italy
Date of event: 2016
End date: 2016
Hernández-Montes, E; Tomás, M; Escalona, JM; Bota, J; Medrano, H.

- 15** **Title of the work:** Exploring the genetic variability in water use efficiency: evaluation of inter and intra cultivar genetic diversity in grapevines
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Verona, Italy
Date of event: 2016
End date: 2016
Tortosa, I; Escalona, JM; Bota, J; Tomás, M; Hernández-Montes, E; García-Escudero, E; Medrano, H.
- 16** **Title of the work:** Balance de carbono en vid (*Vitis vinífera* L.), costes respiratorios y factores que lo regulan
Name of the conference: II Jornadas del grupo de viticultura Sociedad Española de Ciencias Hortícolas
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2016
End date: 2016
Hernández-Montes E; Tomás M; Escalona, JM; Sancho, P; Bota, J; Martorell S; Tortosa I; Medrano H. "Resúmenes".
- 17** **Title of the work:** Balance de carbono y costes respiratorios en vid (*Vitis vinífera* L.) en diferentes condiciones de disponibilidad hídrica.
Name of the conference: II Jornadas de Viticultura de la SECH
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2016
End date: 2016
Hernández, E; Tomás, M; Escalona, JM; Sancho, P; Bota, J; Martorell, S; Tortosa, I; Medrano, H.
- 18** **Title of the work:** Influence of biotic and abiotic stress on physiological traits and water use efficiency in grapevine
Name of the conference: 19èmes Journées GiESCO
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Montpellier, France
Date of event: 2015
End date: 2015
El aououad, H.; Montero, R.; Tomás, M.; Ribas-Carbó, M.; Medrano, H.; Bota, J. "Libro de actas, vol. 1 pg. 121-125".
- 19** **Title of the work:** Using whole plant chambers to estimate carbon balance in field-grown grapevines
Name of the conference: 19èmes Journées GiESCO
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Montpellier, France
Date of event: 2015
End date: 2015
Hernández-Montes, E.; Tomás, M.; Martorell, S.; Bota, J.; Escalona, J.M.; Medrano, H. "Libro de actas, vol. 1 pg. 172-175".

- 20** **Title of the work:** Effects of grapevine leafroll associated virus 3 (GLRaV-3) spread on fruit composition and wine chemical profile of *Vitis vinifera* L. cv. Sauvignon blanc.
Name of the conference: 19èmes Journées GiESCO
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Montpellier, France
Date of event: 2015
End date: 2015
Montero, R.; Mundy, D.; Albright, A.; Grose, C.; Trought, M.; Cohen, D.; Chooi, K.M.; Macdiarmid, R.; Flexas, J.; Bota, J. "Libro de actas, vol. 2 pg. 517-520".
- 21** **Title of the work:** Efecto de la disponibilidad hídrica en la actividad respiratoria radicular de la vid. Influencia en el balance de carbono.
Name of the conference: XIV Congreso Nacional de Ciencias Hortícolas
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Orihuela, Spain
Date of event: 2015
End date: 2015
Sancho, P.; Hernández, E.; Bota, J.; Martorell, S.; Tomás, M.; Tortosa, I.; Medrano, H.; Escalona, J.M. "Resúmenes".
- 22** **Title of the work:** Efectos del virus del enrollado-3 (GLRaV-3) sobre la distribución de asimilados y el balance total de carbono en *Vitis vinífera* L.
Name of the conference: XIV Congreso Nacional de Ciencias Hortícolas
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Orihuela, Spain
Date of event: 2015
End date: 2015
Montero, R.; El Aou Ouad, H.; Escalona, J.M.; Medrano, H.; Flexas, J.; Bota, J. "Resúmenes".
- 23** **Title of the work:** From leaf to whole plant water use efficiency (WUE) in complex canopies: Limitations of leaf WUE as selection target.
Name of the conference: The Optichina International Conference Breeding to Optimize Agriculture in a Changing world
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Beijing, China
Date of event: 2014
End date: 2014
Medrano, H.; Martorell, S.; Flexas, J.; Bota, J.; Hernández, E.; Gago, X.; Escalona, J.M.
- 24** **Title of the work:** From leaf to whole plant water use efficiency: solving the gaps
Name of the conference: XII Portuguese Spanish Symposium on Plant Water Relations
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Evora, Portugal
Date of event: 2014
End date: 2014
Medrano, H.; Tomas, M.; Martorell, S.; Flexas, J.; Bota, J.; Hernández, E.; Gago, X.; Escalona, J.M.

- 25** **Title of the work:** El estado sanitario en variedades minoritarias; un reto en su recuperación
Name of the conference: II Jornadas del Grupo de Viticultura. SECH
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2014
End date: 2014
Bota, J.; El Aou-ouad, H.; Balda, P.; Garau, MC; Luna, JM; Cifre, J."Actas de Horticultura".
- 26** **Title of the work:** Efecto del estado hídrico en la respiración de los distintos órganos de la vid (Vitis vinífera L.)
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 2014
End date: 2014
Hernández, E.; Tomás, M.; Martorell, S.; Bota, J.; Sancho, P.; Escalona, JM.; Medrano, H.
- 27** **Title of the work:** Interactive effects of Leafroll associated virus (GLRaV-3) and drought on the physiology of two grapevine (Vitis vinifera L.) varieties
Name of the conference: Plant Biology Europe FESPB/EPSO 2014 Congress
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Dublín, Ireland
Date of event: 2014
End date: 2014
El aououad, H.; Montero, R.; Romero, A.; Medrano, H.; Bota, J."Resúmenes".
- 28** **Title of the work:** Differences among Grapevine Cultivars in their Water Use strategy under Progressive Water Stress
Name of the conference: XII Portuguese Spanish Symposium on Plant Water Relations
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Evora, Portugal
Date of event: 2014
End date: 2014
Bota, J.; Tomas, M.; Medrano, H.; Flexas, J.; Escalona, J.M."Resúmenes".
- 29** **Title of the work:** El ratio isotópico del carbono (d13C) como indicador válido de la eficiencia en el uso del agua en vid
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Logroño, Spain
Date of event: 2014
End date: 2014
Escalona, JM.; Tomas, M.; Ribas-Carbó, M.; Bechir, A.; Bota, J.; Santesteban, LG; Miranda, C.; Royo, JB, Castel, JR, Intrigliolo, DS; De Herralde, F; Aranda, X.; Savé, R.; Nadal, M.; Sánchez-Ortiz, A.; Medrano, H.



- 30** **Title of the work:** Cámaras de planta entera, el future en los balances de carbono
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Logroño, Spain
Date of event: 2014
End date: 2014
Hernández, E.; Martorell, S.; Tomás, M.; Escalona, J.M.; Bota, J.; Tortosa, I.; Vidal G.; Medrano, H.
- 31** **Title of the work:** Genotype variation on water use efficiency in response to soil water depletion
Name of the conference: Ninth International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Geographical area: International
Type of participation: Participatory - poster
City of event: La Serena, Chile
Date of event: 2013
End date: 2013
Escalona, J.M.; Tomás, M.; Bota, J.; Ribas-Carbó, M.; Franck, N.; Medrano, H.
- 32** **Title of the work:** Effects of leafroll-associated virus 3 (GLRaV-3) on the photosynthesis of grapevine cv. Malvasia de Banyalbufar under different drought intensities.
Name of the conference: XIII Congresso Luso-Espanhol de Fisiologia Vegetal.
Type of event: Conference
Geographical area: International
Type of participation: Participatory - poster
City of event: Lisboa, Portugal
Date of event: 2013
End date: 2013
El aououad, H.; Montero, R.; Medrano, H.; Bota, J.
- 33** **Title of the work:** Absolute quantification of grapevine leafroll associated virus 3 (GLRaV-3). Effects on the physiology in Vitis vinifera L. (cv. Malvasia).
Name of the conference: XIII Congresso Luso-Espanhol de Fisiologia Vegetal.
Type of event: Conference
Geographical area: International
Type of participation: Participatory - poster
City of event: Lisboa, Portugal
Date of event: 2013
End date: 2013
Montero, R.; El aououad, H.; Pacifico, D.; Marzachi, C.; Castillo, N.; García, E.; Bota, J.
- 34** **Title of the work:** Eliminación de los virus del jaspeado y enrollado-3 en la variedad autóctona mallorquina Manto Negro y efectos sobre su fisiología.
Name of the conference: 28ª Reunión anual del grupo de trabajo de experimentación en viticultura y enología.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Murcia, Spain
Date of event: 2013
End date: 2013
Bota, J.; Cifre, J.; Cretazzo, E.; Padilla, V.



- 35** **Title of the work:** Validation and selection of reference genes for quantitative real-time PCR of GLRaV-3 in *Vitis vinifera* L. (Malvasía cv.) for different seasons and tissues samples.
Name of the conference: International advances in plant virology
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Norwich, United Kingdom
Date of event: 2013
End date: 2013
Montero, R.; El aououad, H.; Pacifico, D.; Marzachi, C.; Flexas, J.; Bota, J.
- 36** **Title of the work:** Grapevine leafroll-associated virus 3 (GLRaV-3) effects on the physiology in *Vitis vinifera* L. (cv. Escursach).
Name of the conference: Plant Biology Congress. FESPB 2012
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Freiburg, Germany
Date of event: 2012
End date: 2012
Montero, R.; Bota J. "Resúmenes".
- 37** **Title of the work:** Differential Ampelovirus multiplication in plants may explain its relative incidence in vineyards
Name of the conference: 17th Meeting of ICGV
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Davis, United States of America
Date of event: 2012
End date: 2012
Velasco, L.; Padilla, C.V.; Bota, J.; Montero, R.; García, B.; Hita, I.; Padilla, V. "Resúmenes".
- 38** **Title of the work:** Estado actual de las variedades minoritarias de las Islas Baleares.
Name of the conference: X Seminario del Grupo Español de Seleccionadores de Vid.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2012
End date: 2012
Bota, J.
- 39** **Title of the work:** La multiplicación diferencial de Ampelovirus en plantas de vid podría explicar las diferencias de incidencia en los viñedos
Name of the conference: XVI Congreso Nacional de la Sociedad Española de Fitopatología SEF 2012
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Málaga, Spain
Date of event: 2012
End date: 2012
Velasco, L.; Padilla, C.V.; Padilla, V.; García, B.; Hita, I.; Bota, J.; Montero, R. "Resúmenes".



- 40** **Title of the work:** Carbon isotope discrimination and water use efficiency in different cultivars of grapevine.
Name of the conference: XIX Reunión de la Sociedad Española de Fisiología Vegetal (SEFV). XII Congreso Hispano-Luso de Fisiología Vegetal
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Catelló, Spain
Date of event: 2011
End date: 2011
Tomás, M.; Escalona, J.M.; Bota, J.; Martorell, S.; Medrano, H.; Pou, A.; Ribas-Carbó, M.; Flexas, J.
- 41** **Title of the work:** Les varietats minoritàries de les Illes Balears.
Name of the conference: Jornada sobre les varietats Manto Negro, Moll i Callet
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2010
End date: 2010
Bota, J.; Luna, J.M.; Escalona, J.M.; Martorell, A. "Dossiers Agraris nº13".
- 42** **Title of the work:** Genetic variation of plant water status, water use efficiency and grape yield and quality in response to soil water availability in grapevine (*Vitis vinifera* L.)
Name of the conference: 28th International Horticultural Congress (IHC).
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Oporto, Portugal
Date of event: 2010
End date: 2010
Escalona, J.M.; Tomás, M.; Bota, J.; Medrano, H. "Acta Horticulturae (número especial)".
- 43** **Title of the work:** Genetic characterization of "Tomàtiga de Ramellet" tomato cultivars from the Balearic Islands
Name of the conference: 28th International Horticultural Congress, Lisboa 2010. International Society for Horticultural Science (ISHS). 22-27 August 2010. Lisbon, Portugal.
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Lisboa, Portugal
Date of event: 2010
End date: 2010
Conesa, M.A.; Bota, J.M.; Robbins, M.; Sim, S.; Caramante, M.; Rao, R.; Ochogavía, J.M.; Cifre, J.; Galmés, J.; Medrano, H.; Francis, D.
- 44** **Title of the work:** Evaluación de la alteración del agrosistema del tomate de ramallet fertilizado orgánicamente
Name of the conference: II Jornadas de la red española de compostatge
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Burgos, Spain
Date of event: 2010
End date: 2010
Negre, A.; March, J.; Garau, M.C.; Rovira, J.M.; Bota, J.; Luna, J.M.; Martorell, A.; López-López, G.; Sastre-Conde, I. "Libro de resúmenes".

- 45** **Title of the work:** Evolució del cultiu de les varietats de raïm a Balears
Name of the conference: Jornada sobre les varietats Manto Negro, Moll i Callet
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2010
End date: 2010
Martorell, A.; Bota, J.; Luna, J.M. "Dossiers Agraris nº13".
- 46** **Title of the work:** Selecció clonal de les varietats de raïm autòctones majoritàries de les Balears: Manto Negro, Callet i Moll (Prensal blanc)
Name of the conference: Jornada sobre les varietats Manto Negro, Moll i Callet
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2010
End date: 2010
Rosselló, J.; Cretazzo, E.; Bota, J.; Medrano, H.; Carámbula, C.; Cifre, J. "Dossiers Agraris nº13".
- 47** **Title of the work:** El papel de las variedades minoritarias en una situación de cambio climático: variabilidad genética en la eficiencia en el uso del agua
Name of the conference: XXIV Reunión anual del grupo de trabajo de experimentación en viticultura y enología
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Jerez de la Frontera, Spain
Date of event: 2010
End date: 2010
Bota, J.; Tomàs, M.; Luna, J.M., Martorell, A.; Gallegos, J.M.; Medrano, H.; Escalona, J.M. "Libro de actas".
- 48** **Title of the work:** Recuperacion, saneamiento y evaluacion en condiciones de campo de la Malvasia de Banyalbufar
Name of the conference: III International Symposium Malvasias
Type of event: Conference
Geographical area: International
Type of participation: 'Participatory - poster
City of event: La Palma, Spain
Date of event: 2009
End date: 2009
Carámbula, C.; Bota, J.; Medrano, H. "Resúmenes, pg 26. Formato Digital, Trabajo 05 p.1-6".
- 49** **Title of the work:** Estudio de la dosis de nitrógeno orgánico sobre la fisiología de la planta y calidad de fruto en cultivo de tomate de 'Ramellet'
Name of the conference: XV Jornadas técnicas Agricultura y Ganadería Ecológica Mediterránea
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2009
End date: 2009
Bota, J.; Garau, M.C.; López-López, G.; Luna, J.M.; March, J.; Martorell, A.; Negre, A.; Sastre-Conde, I. "Resúmenes, pg 20".



- 50** **Title of the work:** Situación de la selección clonal en Baleares
Name of the conference: 8º Seminario de Grupo Español de Seleccionadores de Vid
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valladolid, Spain
Date of event: 2009
End date: 2009
Rosselló, J.; Cretazzo, E.; Bota, J. "Formato digital".
- 51** **Title of the work:** Physiological responses of grapevine to water stress: implications for stress monitoring and effects on water use efficiency
Name of the conference: COST 858 Final meeting
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Burdeus, France
Date of event: 2009
End date: 2009
Flexas, J.; Bota, J.; Cifre, P.; Chávez, P.; Escalona, J.M.; Gallé, A.; Galmes, J.; Gulías, J.; Martorell, S.; Pou, A.; Ribas Carbó, M.; Tomás, M.; Medrano, H.
- 52** **Title of the work:** Genetic Variability of water use efficiency in grapevines
Name of the conference: Final-Cost grapevine
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Burdeos, France
Date of event: 2009
End date: 2009
Escalona, J.M.; Tomás, M.; Bota, J.; Medrano, H. "Libro de Abstract".
- 53** **Title of the work:** Variedades minoritarias de las Baleares: Sabater, caracterización ampelográfica, evaluación agronómica y enológica.
Name of the conference: XXIII Reunión anual del grupo de trabajo de experimentación en viticultura y enología
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2009
End date: 2009
Bota, J.; Escalona, J.M.; Luna, J.M.; Mulet, D.; Martorell, A. "Reuniones del Grupo de trabajo de experimentación en viticultura y enología. Ministerio de medio ambiente y medio rural y marino, MADRID. ISBN: 978-84-491-1020-7".
- 54** **Title of the work:** Improving water use efficiency in grapevines
Name of the conference: Cost Action 858 workshop. Ecophysiological and agronomical tools to improve grape and wine quality
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Oporto, Portugal
Date of event: 2008
End date: 2008
Medrano, H.; Flexas, J.; Pou, A.; Cifre, J.; Bota, J.; Ribas-Carbó, M.; Gulías, J. "Abstract book".



- 55** **Title of the work:** Improving water-use-efficiency in grapevines: physiological and molecular approaches
Name of the conference: Eight International Symposium on Grapevine Physiology and Biotechnology.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Adelaide, Australia
Date of event: 2008
End date: 2008
 Flexas, J.; Bota, J.; Cifre, J.; Gallé, A.; Galmés, J.; Gulías, J.; Pou, A.; Ribas-Carbó, M.; Tomás, M.; Medrano, H.
- 56** **Title of the work:** Acclimation and limitation of photosynthesis during drought stress and recovery:some insights from field and growth chamber experiments.
Name of the conference: CO2 assimilation in plants: Genome to Biome
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Biddeford, Maine, United States of America
Date of event: 2008
End date: 2008
 Gallé, A.; Flores, I.; Pou, A.; Tomás, M.; Bota, J.; Ribas-Carbó, M.; Flexas, J.
- 57** **Title of the work:** Optimizing grapevine water use: limits for water use efficiency improvement
Name of the conference: Eight International Symposium on Grapevine Physiology and Biotechnology.
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Adelaide, Australia
Date of event: 2008
End date: 2008
 Medrano, H.; Flexas, J.; Pou, A.; Cifre, J.; Bota, J.; Ribas-Carbó, M.; Gulías, J."Abstract book".
- 58** **Title of the work:** Qué factores limitan la recuperación fotosintética tras la sequía? Algunos indicios experimentales en campo y cámara de cultivo
Name of the conference: IX Symposium Hispano-Portugués de Relaciones Hídricas en Plantas, 15/09/08 - 17/09/08
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lloret de Mar (Girona), Spain
Date of event: 2008
End date: 2008
 Gallé A.; Flórez-Sarasa I.; Pou A.; Tomás M.; Bota J.; Ribas-Carbó M.; Flexas J."Libro IX Symposium Hispano-Portugués de Relaciones Hídricas en Plantas".
- 59** **Title of the work:** Morphological and DNA sequence variation in local varieties of tomato from The Balearic archipelago
Name of the conference: Plant & Animal Genomes XVI Conference
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: San Diego, United States of America
Date of event: 2008
End date: 2008
 Bota J; Cifre J; Rosselló J; Medrano H; Robbins M; Sim SC; Francis D."Resumen P429".

- 60** **Title of the work:** Effect of air vapour pressure deficit on mesophyll conductance
Name of the conference: European Science Foundation. EW07-44. Mesophyll conductance to CO₂: mechanisms, modelling and ecological implications. 27-30 septiembre 2008
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Sa Coma. Mallorca, Spain
Date of event: 2008
End date: 2008
Pérez-Martín, A.; Flexas, J.; Ribas-Carbó, M.; Bota, J.; Tomás, M.; Infante, J.M.; Díaz-Espejo, A.
- 61** **Title of the work:** Photosynthesis limitation in response to drought stress: some insights on acclimation and recovery implications.
Name of the conference: EW07-44 Mesophyll conductance to CO₂: Mechanisms, modeling and ecological implications
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2008
End date: 2008
Gallé, A.; Florez, I.; Pou, A.; Tomàs, M.; Bota, J.; Ribas-Carbó, M.; Flexas, J. "Photosynthesis limitation in response to drought stress: some insights on acclimation and recovery implications."
- 62** **Title of the work:** What are the limiting factors of photosynthetic recovery from drought? Some insights from field and growth chamber experiments.
Name of the conference: Gordon Research Conference CO₂ Assimilation in plants: Genome to Biome.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Biddeford, Maine, United States of America
Date of event: 2008
End date: 2008
Gallé, A.; Florez, I.; Pou, A.; Tomás, M.; Bota, J.; Ribas-Carbó, M.; Flexas, J.
- 63** **Title of the work:** Photosynthesis and water use efficiency: Improving plant productivity in semi-arid environments
Name of the conference: 14 th International Congress of Photosynthesis
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Glasgow, Scotland, United Kingdom
Date of event: 2007
End date: 2007
Medrano, H.; Galmés, J.; Ribas-Carbó, M.; Gulias, J.; Bota, J.; Pou, A.; Moreno, M.; Cifre, J.; Flexas, J. "Actas Congreso".
- 64** **Title of the work:** Optimization of water use: a requeriment for the grapevine crop under conditions of climatic change
Name of the conference: Workshop: Vineyard under environmental constraints: Adaptations to climate change. COST ACTION 858
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Lodz. Polonia, Poland
Date of event: 2007
End date: 2007



Medrano, H.; Galmés, J.; Ribas-Carbó, M.; Gulías, J.; Bota, J.; Pou, A.; Moreno, M.T.; Cifre, J.; Flexas, J. "Book of abstracts".

- 65 Title of the work:** Mejora de la eficiencia en el uso del agua en la vid: Bases fisiológicas y perspectivas biotecnológicas

Name of the conference: XI Congreso de la Sociedad Nacional de Ciencias Hortícolas

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Albacete, Spain

Date of event: 2007

End date: 2007

Medrano, H.; Galmés, J.; Ribas-Carbó, M.; Gulías, J.; Bota, J.; Pou, A.; Moreno, M.; Cifre, J.; Flexas, J.

- 66 Title of the work:** Ecophysiology of photosynthesis in the new century: linking genes and molecules with plant, community and ecosystem processes

Name of the conference: XXII Reunión anual Sociedad chilena de Ciencias Fisiológicas

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Pucón, Chile

Date of event: 2007

End date: 2007

Flexas, J.; Bota, J.; Cifre, J.; Galmés, J.; Gulías, J.; Ribas-Carbó, M.; Medrano, H.; . "Biological Research (ISSN:0716-9760). Volumen 40, suplemento A".

- 67 Title of the work:** Genetic variability in response to water stress: study of balearic varieties of grapevine

Name of the conference: Understanding the genetic and molecular basis of quality and production traits. From traits to genes and backwards in grapevine.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - poster

City of event: Logroño, La Rioja, Spain

Date of event: 2007

End date: 2007

Bota, J.; Flexas, J.; Medrano, H. "Resúmenes pag 33".

- 68 Title of the work:** Photosynthesis and water use efficiency: improving plant productivity in semi-arid environments

Name of the conference: XVII Reunión de la Sociedad Española de Fisiología vegetal, X Congreso Hispano-Luso de Fisiología vegetal.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: Madrid, Spain

Date of event: 2007

End date: 2007

Medrano, H.; Galmés, J.; Ribas-Carbó, M.; Gulías, J.; Bota, J.; Pou, A.; Moreno, M.; Cifre, J.; Flexas, J. "Resúmenes".

- 69 Title of the work:** Ecophysiology of photosynthesis in the new century: linking genes and molecules with plant community and ecosystem processes

Name of the conference: XV Congress of the Federation of European Societies of Plant Biology

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Lyon Conference Center, Lyon, France

Date of event: 2006

End date: 2006

Flexas, J.; Bota, J.; Cifre, J.; Galmés, J.; Gulías, J.; Ribas-Carbó, M.; Medrano, H. "Resúmenes".

70 Title of the work: Ecophysiology of photosynthesis in the new century: Linking genes and molecules with plant, community and ecosystem processes

Name of the conference: IX Congresso Luso Espanhol de Fisiologia Vegetal

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Évora, Portugal, Portugal

Date of event: 2005

End date: 2005

Flexas, J.; Bota J.; Cifre, J.; Galmés, J.; Gulías, J.; Ribas-Carbó, M. i Medrano, H. "Actas Congreso".

71 Title of the work: Keeping a positive carbon balance under adverse conditions: responses of photosynthesis and respiration to drought and salinity

Name of the conference: Plant water relations in seasonally dry environments, with emphasis on woody plants

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Crawley, Western Australia, Australia

Date of event: 2005

End date: 2005

Flexas, J.; Bota, J.; Galmés, J.; Medrano, H.; Ribas-Carbó, H.

72 Title of the work: Co-adjustment of water losses and photosynthesis in leaves; a role for aquaporins?

Name of the conference: INTERDROUGHT II. The 2nd International conference on integrated approaches to sustain and improve plant production under drought stress

Type of event: Conference

Geographical area: International

Type of participation: 'Participatory - poster

City of event: Roma, Italy

Date of event: 2005

End date: 2005

Flexas J; Ribas-Carbó M; Bota J; Galmés J; Otto B; Cifre J; Kaldenhoff R; Medrano H. "Actas Congreso".

73 Title of the work: Effects of virus infection on growth and photosynthesis in Banyalbufar Malvasia

Name of the conference: Malvazije na Mediteranu, Le malvasie del bacino del Mediterraneo , Mediterranean malvasias.Convegno Scientifico Internazionale

Type of event: Conference

Geographical area: International

Type of participation: 'Participatory - poster

City of event: Porec, Croatia

Date of event: 2005

End date: 2005

Carámbula, C.; Sampol, B.; Bota, J.; Cifre, J.; Medrano, H.; Escalona, J.M. "Actas Congreso".

74 Title of the work: Efecto de infección vírica en el crecimiento y la fotosíntesis en Vitis vinifera L. cv. Malvasia de Banyalbufar

Name of the conference: V Congreso Ibérico de Ciências Hortícolas . IV Congreso Iberoamericano de Ciências Hortícolas

Type of event: Conference

Geographical area: International

Type of participation: 'Participatory - poster

City of event: Oporto, Portugal



Date of event: 2005

End date: 2005

Carámbula, C.; Sampol, B.; Bota, J.; Cifre, J.; Medrano, H.; Escalona, JM. "Actas Congreso vol. 2 pp 359-364".

75 Title of the work: Effects of virus infection on Growth and Photosynthesis in Banyalbufar Malvasia

Name of the conference: Workshop on defence reactions of grapevine toward biotic stresses

Type of event: Conference

Geographical area: International

Type of participation: Participatory - poster

City of event: Piacenza, Italy

Date of event: 2005

End date: 2005

Carámbula, C.; Sampol, B.; Bota, J.; Cifre, J.; Medrano, H.; Escalona, J.M. "Actas Congreso".

76 Title of the work: Una iniciativa docente para el estudio de la ecofisiología

Name of the conference: IX Congresso Luso Espanhol de Fisiologia Vegetal

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: Evora, Portugal, Portugal

Date of event: 2005

End date: 2005

RIBAS-CARBÓ, M; BOTA J; ESCALONA, JM; GALMÉS, J; GULÍAS, J; MEDRANO, H; FLEXAS, J.

77 Title of the work: Eficiencia en el uso del agua por las plantas

Name of the conference: Jornadas sobre la demanda y consumo de agua en el dominio mediterráneo

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Palma de Mallorca, Spain

Date of event: 2005

End date: 2005

Medrano, H.; Gulías, J. Galmés; J. Bota; J. Riera; D. Ribas-Carbó; M. Cifre; J. Flexas, J. "Actas Congreso".

78 Title of the work: Variability of intrinsic water use efficiency in mediterranean grapevines.

Name of the conference: Proceedings of Groupe d'Etudes des Systèmes de Conduite de la Vigne GESCO G(Aemania) 513-520.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: Geisenheim, Germany

Date of event: 2005

End date: 2005

MEDRANO, H.; BOTA, J.; ESCALONA, J.M.; RIBAS-CARBÓ, M. i FLEXAS, J.

79 Title of the work: Regulación de la fotosíntesis en respuesta al estrés hídrico: limitaciones metabólicas y de difusión del CO₂.

Name of the conference: VII Simposio Luso-Español de Relaciones Hídricas de las plantas.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Faro, Portugal

Date of event: 2004

End date: 2004

BOTA, J.; FLEXAS; J.; MEDRANO, H. "Resúmenes pp: 27-35".



- 80** **Title of the work:** Effect of drought on partitioning of ^{14}C labelled photosynthate in *Vitis vinifera* L.
Name of the conference: 7th International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Davis, California, United States of America
Date of event: 2004
End date: 2004
Bota J.; Flexas, J.; Medrano, H.; Stasyk, O."Resúmenes".
- 81** **Title of the work:** *Vitis vinifera* cv. Tempranillo in Mediterranean climate: effects of different irrigation on its physiology.
Name of the conference: 'Optimisation of water use by plants in the Mediterranean'
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Cala Bona-España, Spain
Date of event: 2003
End date: 2003
MARTINEZ, S.; SAMPOL, B.; RAYA, S.; SANS, T.; RIERA, D.; BOTA, J.; RIBAS-CARBO, M.; MEDRANO, H.
- 82** **Title of the work:** Regulación de la fotosíntesis en condiciones de estrés hídrico en plantas C3
Name of the conference: XV Reunión de la Sociedad Española de Fisiología Vegetal y VIII Congreso Hispano Luso
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca. España, Spain
Date of event: 2003
End date: 2003
Bota, J.; Medrano, H.; Flexas, J."Resúmenes pp: 49".
- 83** **Title of the work:** Photosynthetic responses to progressive drought in five C3 plants presenting different drought-response syndromes: gas-exchange, chlorophyll fluorescence, RuBP content and Rubisco activity.
Name of the conference: Optimisation of water use by plants in the Mediterranean
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Mallorca, España, Spain
Date of event: 2003
End date: 2003
BOTA, J.; MEDRANO; H.; FLEXAS, J."V: Resúmenes".
- 84** **Title of the work:** Effects of virus infection in photosynthesis of banyalbufar malmsey grapevines
Name of the conference: XIII Jornadas GESCO (Groupe d'Etudes des Systèmes de Conduite de la Vigne).
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Montevideo, Uruguay, Uruguay
Date of event: 2003
End date: 2003
SAMPOL, T.; BOTA, J.; MEDRANO; H.; FLEXAS, J."Resúmenes, pp: 275-279".



- 85** **Title of the work:** Efectos de diferentes dosis de riego sobre la fisiología de Vitis vinifera cv- Tempranillo
Name of the conference: XV Reunión de la Sociedad Española de Fisiología Vegetal-VIII Congreso Hispano-Luso
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Palma de Mallorca., Spain
Date of event: 2003
End date: 2003
Martinez, S.; Ribas-Carbó, M.; Sans, A.; Sampol, B.; Riera, D.; Escalona, J.M.; Bota, J.; Sanchez Forss, A.; Vadell J.; Flexas, J.; Medrano, H.
- 86** **Title of the work:** Understanding down-regulation of photosynthesis under drought: future prospects and searching for physiological tools for irrigation management
Name of the conference: Optimisation of water use by plants in the Mediterranean
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Cala Bona-Mallorca, Spain
Date of event: 2003
End date: 2003
Flexas, J.; Bota, J.; Cifre, J.; Escalona, J.M.; Galmés, J.; Gulías, J.; Lefi, E-K.; Martínez, S.F.; Moreno, M.T.; Ribas-Carbó, M.; Riera, D.; Sampol, B.; Medrano, H."Resúmenes".
- 87** **Title of the work:** Effect of drought on carbon partitioning in grapevine plants
Name of the conference: XIII Jornadas GESCO (Groupe d'Etudes des Systèmes de Conduite de la Vigne).
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Montevideo, Uruguay, Uruguay
Date of event: 2003
End date: 2003
BOTA, J.; STASYK, O.; MEDRANO, H."Resúmenes, pp: 36-37".
- 88** **Title of the work:** Importancia de las acuaporinas en la regulación de la fotosíntesis : primeras evidencias in vivo de la regulación directa de la conductancia del mesófilo al CO₂ por la acuaporina NtAQp1 de tabaco.
Name of the conference: XV Reunión de la Sociedad Española de Fisiología Vegetal & VIII Congreso Hispano Luso.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca. España, Spain
Date of event: 2003
End date: 2003
Flexas, J.; Bota, J.; Kaldenhoff, R.; Otto, B.; Moreno, MT.; Sampol, B.; Riera, D.; Cifre, J.; Medrano, H.; Ribas-Carbó, M."Resúmenes pp:104".
- 89** **Title of the work:** Effect of drought on carbon partitioning in grapevine plants
Name of the conference: 13th congress of the federation of European Societies of Plant Physiology
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Heraklion, Creta, Greece, Greece
Date of event: 2002
End date: 2002
BOTA, J.; STASYK, O.; MEDRANO, H."Resúmenes, pp: 509".



- 90** **Title of the work:** Some current aspects about photosynthesis response to drought in C3 plants
Name of the conference: 13th congress of the federation of European Societies of Plant Physiology
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Heraklion, Creta, Greece, Greece
Date of event: 2002
End date: 2002
FLEXAS, J.; BOTA, J.; MEDRANO, H."Resúmenes pp: 77".
- 91** **Title of the work:** Regulation of photosynthesis of C3 plants in response to progressive drought: the interest of stomatal conductance as a reference parameter.
Name of the conference: International conference "Photosynthesis and crop production"
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Kyiv, Ukraine, Ukraine
Date of event: 2002
End date: 2002
MEDRANO, H.; ESCALONA, J. M.; BOTA, J.; GULIAS, J.; FLEXAS, J."Resúmenes, pp: 20-21".
- 92** **Title of the work:** Regulación de la fotosíntesis en plantas c3 sometidas a estrés hídrico
Name of the conference: VI Simposium Hispano Portugués, Relaciones Hídricas en las Plantas
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Pamplona. Spain, Spain
Date of event: 2002
End date: 2002
FLEXAS, J.; BOTA, J.; ESCALONA, J. M.; GALMES J.; GULIAS, J.; MEDRANO, H."Resúmenes, pp: 16-25".
- 93** **Title of the work:** Regulación de la fotosíntesis en plantas C3 en respuesta a la sequía progresiva: la conductancia estomática como parámetros de referencia.
Name of the conference: VI Simposium Hispano Portugués, Relaciones Hídricas en las Plantas, 2-4 Octubre 2002
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Pamplona, Spain
Date of event: 2002
End date: 2002
MEDRANO, H.; ESCALONA, J. M.; BOTA, J.; GULÍAS, J.; FEXAS, J."Resúmenes pp:145-147".
- 94** **Title of the work:** Determination of CO₂/O₂ specificity factor for ribulose biphosphate carboxylase/oxygenase in grapevine
Name of the conference: 12èmes Journées GESCO (Groupe d'Etudes des Systèmes de Conduite de la Vigne).
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: 12èmes Journées GESCO (Groupe d'Etu, France
Date of event: 2001
End date: 2001
BOTA, J.; FLEXAS, J.; KEYS, A. J.; LOVELAND, J.; PARRY, M. A. J.; MEDRANO, H."Resúmenes, pp: 311-316".



- 95** **Title of the work:** Stomatal conductance regulates photosynthesis under progressive drought: from grapevines to a generalised pattern.
Name of the conference: P S 2001 12th International Congress on Photosynthesis
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Brisbane, Australia, Australia
Date of event: 2001
End date: 2001
FLEXAS, J.; BOTA, J.; ESCALONA, J. M.; GULÍAS, J.; MEDRANO, H."Resúmenes S34-005".
- 96** **Title of the work:** Regulation of photosynthesis of C3 plants in response to progressive drought: the interest of stomatal conductance as a reference parameter.
Name of the conference: Society for Experimental Biology Annual Meeting
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Canterbury, U.K, United Kingdom
Date of event: 2001
End date: 2001
MEDRANO, H.; ESCALONA, J. M.; BOTA, J.; GULIAS, J.; FLEXAS, J.
- 97** **Title of the work:** Effects of water stress and high light intensity in field-grown grapevines
Name of the conference: Society for Satellite Meeting for PS2001 on Light Stress and Photosynthesis: UV and visible light effects
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Heron Island, Australia, Australia
Date of event: 2001
End date: 2001
MEDRANO, H.; ESCALONA, J. M.; BOTA, J.; ABADÍA, A.; FLEXAS, J."Resúmenes, pp: 30".
- 98** **Title of the work:** Balearic varieties of grapevine: study of genetic variability in the response to water stress
Name of the conference: 3er Simposio Internacional Zonificación Vitivinícola
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Puerto de la Cruz, Tenerife, Spain, Spain
Date of event: 2000
End date: 2000
BOTA, J.; FLEXAS, J., SAMPOL, B.; MEDRANO, H."Resúmenes V:III, pp: 1-10".
- 99** **Title of the work:** Stomatal conductance as indicator of water stress in grapevines: threshold between predominant stomatal and non-stomatal limitations to photosynthesis
Name of the conference: 6th International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Heraklion, Greece
Date of event: 2000
End date: 2000
Flexas, J.; Bota, J.; Escalona, J.; Sampol, B.; Medrano, H."Resúmenes".



Works submitted to national or international seminars, workshops and/or courses

Title of the work: Regulación de la fotosíntesis en respuesta al estrés hídrico: limitaciones metabólicas y de difusión del CO₂.

Name of the event: VII Simposio Luso-Español de Relaciones Hídricas de las plantas.

Reasons for participation: Speaker

City of event: Faro, Portugal

Date of event: 27/09/2004

End date: 27/09/2004

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- Committee title:** XV Jornadas técnicas SEAE Agricultura y Ganadería Ecológica Mediterránea
Affiliation entity: Sociedad Española de Agricultura Ecológica
Start date: 16/09/2009
- Committee title:** XV Reunión de la Sociedad Española de Fisiología Vegetal & VIII Congreso Hispano Luso.
Affiliation entity: Universidad de las Islas Baleares
Start date: 16/09/2003
- Committee title:** Optimisation of water use by plant in the Mediterranean
Affiliation entity: Universidad de las Islas Baleares
Start date: 24/03/2003

R&D management

Name of the activity: Evaluadora de proyectos de la Agencia Nacional de Evaluación y Prospectiva (ANEP) desde 2014

Start date: 2014

Evaluation and revision of R&D projects and articles

- Name of the activity:** Miembro de Tribunal de Tesis Doctoral titulada: 'Acclimation to water deficit and high temperature: Physiological and biochemical aspects'. Alumno: Juan Alejandro Perdomo López. Calificación: Sobresaliente
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: International
Start-End date: 06/02/2015 - 06/02/2015
- Name of the activity:** Revisión de artículos para la revista Agricultural Water Management.
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Review of articles in scientific or technological journals



Geographical area: International

Start-End date: 2015 - 2015

- 3** **Name of the activity:** Revisión de artículos para la revista Field Crops Research
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start-End date: 2015 - 2015
- 4** **Name of the activity:** Secretaria del tribunal de la tesis Doctoral: 'Understanding the regulation of leaf and plant gas exchange under water stress with a process-based model of stomatal conductance' Doctorando: Sebastià Martorell Lliteras. Calificación: Excelente Cum Laude
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: International
Start-End date: 11/12/2014 - 11/12/2014
- 5** **Name of the activity:** Miembro de Tribunal de Tesis de máster titulada: 'Carbon Isotope composition (δC_{13}) as indicator of water use efficiency (WUE) in grapevine. ALumna: Amani Bechir. 'Máster Universitario en Biología de las plantas en condiciones mediterráneas'
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: National
Start-End date: 2013 - 2014
- 6** **Name of the activity:** Miembro de Tribunal de Tesis de máster titulada: 'Efecto de los hongos formadores de micorrizas arbusculares en la aclimatación de plántulas de Arundo donax micropropagadas'. Alumna: Maria Tauler Bennassar. 'Máster Universitario en Biología de las plantas en condiciones mediterráneas'
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: National
Start-End date: 2013 - 2014
- 7** **Name of the activity:** Miembro del tribunal de la tesis Doctoral: Estudio de variedades minoritarias de vid (*Vitis vinifera* L.): descripción, caracterización agronómica y enológica de material procedente de las Islas Baleares. Doctorando: Sonia García Muñoz. Calificación: Excelente Cum Laude
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: International
Start-End date: 23/09/2011 - 23/09/2011
- 8** **Name of the activity:** Secretaria del tribunal de la tesis Doctoral: Selección clonal de variedades de vid autóctonas de Mallorca: aspectos sanitarios, genéticos y agronómicos. Doctorando: Enrico Cretazzo. Calificación: Excelente Cum Laude
Entity where activity was carried out: Universidad de las Islas Baleares
Type of activity: Participation in panels
Geographical area: International
Start-End date: 21/10/2010 - 21/10/2010
- 9** **Name of the activity:** Evaluadora de proyectos de la Agencia Nacional de Evaluación y Prospectiva (ANEP)
Entity where activity was carried out: ANEP



Type of activity: Review and evaluation of projects

Geographical area: National

Start date: 27/11/2014

- 10** **Name of the activity:** Revisión de artículos para la revista Brazilian Journal of Botany
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2014
- 11** **Name of the activity:** Revisión de artículos para la revista Scientia Agricola
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2014
- 12** **Name of the activity:** Revisión de artículos para la revista Central European Journal of Biology
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2013
- 13** **Name of the activity:** Revisión de artículos para la revista Physiologia Plantarum
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2013
- 14** **Name of the activity:** Revisión de artículos para la revista Journal of Environmental Management.
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2009
- 15** **Name of the activity:** Revisión de artículos para la revista FUNCTIONAL PLANT BIOLOGY
Type of activity: Review of articles in scientific or technological journals
Geographical area: International
Start date: 2005

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Institut de Recerca i Formació Agrària i Perquera. Govern de les Illes Balears
City of entity: Palma de Mallorca, Spain
Start date: 2009 **Duration:** 5 years
Goals of the stay: Hired
Provable tasks: Estudio de las variedades minoritarias de vid de las Illes Balears.
- 2** **Entity:** Facoltà di Agraria. Università di Torino
City of entity: Torino, Italy
Start date: 2004 **Duration:** 15 days
Goals of the stay: Postdoctoral - Col. en el marco de Acción Integrada HI2003-0213
Provable tasks: Biología Molecular en Plantas



- 3** **Entity:** Universitat Rovira i Virgili
City of entity: Tarragona, Spain
Start date: 2003 **Duration:** 15 days
Goals of the stay: Others (specify) - Col. con Dra Isabel Baiges dentro de proyecto.
Provable tasks: Aislamiento y cuantificación de aquaporinas en Vitis vinifera.
- 4** **Entity:** Oregon State University
City of entity: Oregon, United States of America
Start date: 2001 **Duration:** 2 months
Goals of the stay: PhD Student
Provable tasks: Técnicas de marcaje con isótopos de carbono en hojas de Vitis vinifera. Curso de seguridad en el uso de radioisótopos 'Principles of radiation protection'
- 5** **Entity:** IARC- Rothamsted Experimental Estation
City of entity: Harpenden, United Kingdom
Start date: 2000 **Duration:** 3 months
Goals of the stay: PhD Student
Provable tasks: Análisis de la actividad de la Rubisco, determinación del factor específico de la Rubisco, contenido en RuBP y ATP en hojas de Vitis vinifera.

Obtained grants and scholarships

- 1** **Name of the grant:** Concesión de la ayuda para incorporar personal investigador en el sistema de ciencia de las Islas Baleares, cofinanciadas en un 50% por el Fondo Social Europeo a través del Programa Operativo del Fondo Social Europeo de las Islas Baleares 2007-2013 (contratos postdoctorales) en el Eje 3, tema prioritario 74.
Awarding entity: Universidad de las Islas Baleares **Type of entity:** Body, others
Conferral date: 01/03/2014 **Duration:** 2 years - 1 day
End date: 01/03/2016
- 2** **Name of the grant:** Contrato de investigador con grado de doctor, programa DOC-INIA convocatoria 2008 (Resolución BOE 181, 2009). Institución: Institut de Recerca i Formació Agraria i Pesquera de Les Illes Balears (IRFAP).
Conferral date: 01/03/2009 **Duration:** 5 years
End date: 28/02/2014
- 3** **Name of the grant:** Becaria Colaboración proyecto: Efectos del estrés hídrico sobre el metabolismo fotosintético y respiratorio en plantas. UIB
Conferral date: 07/2004 **Duration:** 2 months - 1 day
End date: 09/2004
- 4** **Name of the grant:** Becaria Colaboración proyecto: Tipificación cartográfica y evaluación de los pastos de las Islas Baleares. UIB
Conferral date: 02/2004 **Duration:** 7 months - 1 day
End date: 09/2004
- 5** **Name of the grant:** Beca Predoctoral
Awarding entity: Universidad de las Islas Baleares **Type of entity:** Body, others
Conferral date: 01/01/2000 **Duration:** 4 years
End date: 31/12/2003



- 6 Name of the grant:** Becaria Jóvenes Investigadores para la realización del trabajo: 'Recuperació i caracterització de varietats autòctones de vinya per vinificació'. Consell Insular Mallorca y UIB
Conferral date: 01/1999 **Duration:** 11 months - 1 day
End date: 12/1999

Prizes, mentions and distinctions

Description: Obtención del III Premio Nacional de Investigación en Relaciones Hídricas a la mejor tesis doctoral desarrollada en el campo de las relaciones agua-planta, otorgado por la Sociedad Española de Fisiología Vegetal.

Conferral date: 06/2004

Summary of other achievements

- 1 Description of the achievement:** Attendance at Scientific Meetings (without a Paper or publication): Assitència al congrès 'European Drying Conference EuroDrying'2011' Palma de Mallorca 26-28 Octubre 2011
Conferral date: 26/10/2011
- 2 Description of the achievement:** Research lines: Estudio de variedades minoritarias de vid de las Islas Baleares; 01/03/2009 --
Accrediting entity: Institut de Recerca Agraria i Pesquera de les Illes Balears. Govern de les Illes Balears
Conferral date: 01/03/2009
- 3 Description of the achievement:** Research lines: Efecto del estrés biótico por infección vírica sobre la fisiología de la planta (Vitis vinífera L.); 01/03/2009 --
Accrediting entity: Institut de Recerca Agraria i Pesquera de les Illes Balears. Govern de les Illes Balears y UIB
Conferral date: 01/03/2009
- 4 Description of the achievement:** Research lines: Eliminación de virosis mediante técnicas de biotecnología en Vitis vinífera L.; 01/03/2009 --
Accrediting entity: Institut de Recerca Agraria i Pesquera de les Illes Balears. Govern de les Illes Balears y UIB
Conferral date: 01/03/2009
- 5 Description of the achievement:** Attendance at Scientific Meetings (without a Paper or publication): Asitencia a la reunió: Royal Society Discussion Meeting 'Photoprotection of the photosynthetic apparatus: alternative photon and electron sinks' Londres 12-13 Abril 2000
Accrediting entity: Royal Society
Conferral date: 12/04/2000
- 6 Description of the achievement:** Research lines: Respuesta de las plantas al déficit hídrico; 01/01/2000 --
Accrediting entity: Universidad de las Islas Baleares
Conferral date: 01/01/2000
- 7 Description of the achievement:** Research lines: Ecofisiología de las plantas en condiciones de campo. Eficiencia en el uso del agua; 01/01/2000 --
Accrediting entity: Universidad de las Islas Baleares

Conferral date: 01/01/2000

8 Description of the achievement: Historial Investigador (Scientific Career Summary)

Trayectoria profesional: Becaria FPU-UIB (2000-2004) en el área de Fisiología Vegetal (FV) del Dpto. Biología de la Universitat de les Illes Balears (UIB). Defensa de la Tesis Doctoral en marzo de 2004, con calificación SS cum laude y premio a la mejor tesis doctoral desarrollada en el campo de las relaciones agua-planta. Mención de Dra. Europea (2004). Profesora ayudante (2004-2007). Contratada postdoctoral (DOC-INIA) en el Institut de Recerca i Formació Agrària i Pesquera (IRFAP) de la Comunidad autónoma de las Islas Baleares (2009-2014). Contratada postdoctoral (contratos postdoctorales CAIB) en la UIB (2014-2015).

Participación en proyectos de investigación y contratos: -17 proyectos de investigación, 1 proyecto europeo, 1 a nivel de Euroregión, 9 a nivel nacional (5 del plan nacional, 4 proyectos INIA (1 de ellos como IP)) y 6 proyectos autonómicos (1 como IP). 1 proyecto/contrato con empresa privada.

Actividades internacionales: 2 estancias predoctorales (Reino Unido, 3 meses y EEUU, 2 meses). Una estancia postdoctoral (Italia, 15 días Col. en el marco de Acción Integrada HI2003-0213), miembro de la red vitivinícola Euroregió Pirineus Mediterrània.

Publicaciones: Un total de 49 publicaciones. 34 artículos publicados en revistas recopiladas en el SCI (JCR), 7 de ellas como autor principal y 7 como último, 24 en el primer cuartil (Q1). Entre las de los últimos 10 años, 3 de ellas son publicaciones altamente citadas (Highly cited papers, ISI). Esto ha supuesto un total de 2698 citas y un índice h=19.

10 artículos en revistas de divulgación, 1 libro monográfico.

Contribuciones a congresos: 88 congresos, 63 de carácter internacional y 25 nacionales.

Tesis doctorales: codirección de 2 tesis doctorales (una en depósito), 3 proyectos fin de carrera y 3 tesis de máster.

Actividades de transferencia al sector: Participación en la autorización de dos nuevas variedades de vid en Baleares (Giró Ros y Gorgollassa) y en la certificación de dos clones de la variedad Manto Negro.

Actualmente hay solicitadas la autorización de 3 variedades más y 3 clones en proceso de certificación.

Evaluaciones positivas de la actividad: Obtención de la acreditación en la figura de Profesor colaborador por la Agència de Qualitat Universitària de la UIB (2005). Obtención de la acreditación en las figuras de Profesor ayudante doctor, contratado doctor y profesor de universidad privada por la ANECA (2007).

Obtención de la acreditación en la figura de Profesor Titular de Universidad por la ANECA (2013).

9 Description of the achievement: Heavy Equipment: Analizador de gases por infrarojos, Licor-6400; Regular user

10 Description of the achievement: Heavy Equipment: PCR a tiempo real; Regular user

11 Description of the achievement: Heavy Equipment: HPLC; Casual user

12 Description of the achievement: Technics/Specializations: Técnicas generales de ecofisiología vegetal, intercambio de gases, fluorescencia, relaciones hídricas, etc.

13 Description of the achievement: Technics/Specializations: Biología molecular de plantas, PCR, RT-qPCR, marcadores moleculares, etc.

14 Description of the achievement: Technics/Specializations: Biotecnología vegetal, cultivo in vitro de tejidos, obtención de plantas de sanidad controlada, etc.



- 15 Description of the achievement:** Participación en el plan tutorial de la Facultad de Ciencias de la Universitat de les Illes Balears. 2004-2005
- 16 Description of the achievement:** Actividades de transferencia al sector: Participación en la autorización de dos nuevas variedades de vid en Baleares (Giró Ros y Gorgollassa) y en la certificación de dos clones de la variedad Manto Negro. Actualmente hay solicitadas la autorización de 3 variedades más y 3 clones en proceso de certificación.
- 17 Description of the achievement:** Participación jornadas de puertas abiertas de la UIB 2014: preparación exposiciones, visitas a laboratorios y demostraciones a futuros alumnos
- 18 Description of the achievement:** Evaluación de la calidad docente por parte del alumnado. Asignatura Biotecnología Vegetal. Anualidades: 2004-2005, 2005-2006 i 2006-2007. 2004-2005: media: 8.78, media del departamento: 7.38 2005-2006: media: 7.78, media del departamento: 7.44 2006-2007: media: 7.70, media del departament: 7.52
- 19 Description of the achievement:** Asignatura: Fisiología i genética de les interaccions planta-microorganisme (20130) Nivel de responsabilidad: Responsabilidad compartida Centro: Facultad de ciencias. UIB. Periodo de impartición: Año académico 2012-2013 Organismo que emite la evaluación: Comisión de Evaluación de la Calidad Docente de la UIB Tipo de evaluación: Encuesta Calificación máxima posible: 10 Calificación obtenida: 7.3
- 20 Description of the achievement:** Asignatura: Fisiología i genética de les interaccions planta-microorganisme (20130) Nivel de responsabilidad: Responsabilidad compartida Centro: Facultad de ciencias. UIB. Periodo de impartición: Año académico 2014-2015 Organismo que emite la evaluación: Comisión de Evaluación de la Calidad Docente de la UIB Tipo de evaluación: Encuesta Calificación máxima posible: 10 Calificación obtenida: 7.5
- 21 Description of the achievement:** Profesora Asociada Asignatura: Aplicacions Biotecnològiques per a la gestió de la Biodiversitat (11217) Nivel de responsabilidad: Profesora responsable Centro: Facultad de ciencias. UIB. Periodo de impartición: Año académico 2014-2015 Organismo que emite la evaluación: Comisión de Evaluación de la Calidad Docente de la UIB Tipo de evaluación: Encuesta Calificación máxima posible: 10 Calificación obtenida: 8.4