

Parte A. INFORMACIÓN PERSONAL

Fecha del CV

14/04/2021

Nombre y apellidos	Susana Montes Rodríguez		
NIE	10870703Y	Edad	50
Códigos de investigador	ID investigador	L-4923-2014	
	Código Orcid	0000-0002-4701-2207	

A.1. Posición actual

Name of University/Institution	Universidad of Oviedo		
Department	Estadística e Investigación Operativa y Didáctica de la Matemática		
Address and Country	Federico García Lorca, 18, 33007 Oviedo		
Phone number	985103349	E-mail	montes@uniovi.es
Current position	Catedrática de Universidad	From	01/12/2017
Espec. cód. UNESCO	1209.04 1203.04		
Palabras clave	Medidas de divergencia, órdenes estocásticos, medidas de agregación, operaciones sobre intervalos.		

A.2. Educación

PhD	University	Year
Doctora en Matemáticas	Universidad de Oviedo	1998

A.3. JCR articles, h Index, thesis supervised...

According to WOS, my number of publications is 92, 81 of which are published in journals indexed in JCR. My h-index is 14. The number of cites is 668 (546 without self citations). The average citation per year is 44.53. The number of publications in Q1 journals is 33. I have been granted with three CNEAI six-year research periods, 1998-2003, 2004-2009 and 2010-2015 and one CNEAI six-year term of transference: 2013-2018. I am supervised 5 thesis in 2004, 2014, 2014, 2017 and 2019, 4 for the last ten years.

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Susana Montes received the M.Sc degree in mathematics, option statistics and operational research, from the University of Valladolid, Valladolid, Spain, in 1993, and the Ph.D. (cum laude) degree from the University of Oviedo, Gijón, Spain, in 1998. Dr. Montes received the Best Mathematics Ph.D. Thesis Award from the University of Oviedo.

She is currently a Full Professor with the area of Statistics and Operational Research, University of Oviedo, where she is the Leader of the official research group UNIMODE and she is also the head of the Department of Statistics and Operational Research and Didactic of Mathematics. She has 81 publications in JCR journals, 36 book chapters and 128 communications in national (46) and international (82) conferences. She is participating in national (15) and international (3) projects at the moment, some of them led by her (6 national and 1 international). Moreover, she is the leader of 4 contracts with companies and she has been a member of the work team for other 7 contracts. She was the Treasurer of EUSFLAT from 2015 to 2019 and she is from now the secretary of this society. Apart from that, she is also Vice-president of the international society IFSA. She has been an Associate Editor of the journals: IEEE Transactions on Fuzzy Systems (Impact factor SCI 2019: 9.518; Q1 in Computer Science, Artificial Intelligence), Journal of Intelligent and Fuzzy Systems (Impact factor SCI 2016: 1.261; Q3 in Computer Science, Artificial Intelligence), Mathematics (Impact factor SCI 2019: 1.747; Q1 in Mathematics) and the Electronic Journal of Applied Statistical Analysis (Impact factor SJR 2019: 0.302), as well as, she has been invited editor twice in Fuzzy Sets and Systems (Impact factor SCI 2017: 2.675; Q1 in Statistics & Probability) and once in International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (Impact factor SCI 2017: 1.159; Q3 in Computer Science, Artificial Intelligence). She has supervised 5 thesis, the last one in 2019. As a consequence of the previous merits, she has been granted with three CNEAI six-year research periods and one CNEAI six-year term of transference period.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. Raúl Pérez-Fernández, Gustavo Ochoa, Susana Montes, Irene Díaz, Javier Fernández, Daniel Paternain, Humberto Bustince. Axiomatization and construction of ornessmeasures for aggregation functions. *International Journal of Intelligent Systems* 36 (2021) 2208-2228
2. Angel Riesgo, Pedro Alonso, Irene Diaz, Susana Montes. General Definitions for the Union and Intersection of Ordered Fuzzy Multisets. *Iranian Journal Of Fuzzy Systems* 17 (2020) 41-54
3. Humberto Bustince, Radko Mesiar, Anna Kolesarova, Gracaliz Dimuro, Javier Fernandez, Irene Diaz, Susana Montes. On some classes of directionally monotone functions. *Fuzzy Set and Systems* 386 (2020) 161-178
4. Ignacio Montes, Susana Montes, Bernard De Baets. Multivariate winning probabilities. *Fuzzy Sets and Systems* 362 (2019) 129-143
5. Ignacio Montes, Nikhil Pal, Vladimir Janis, Susana Montes. Entropy measures for Atanassov intuitionistic fuzzy sets based on divergence. *Soft Computing* 22 (2018), 5051–5071
6. Ignacio Montes, Nikhil Pal, Vladimir Janis, Susana Montes. Local Divergences for Atanassov Intuitionistic Fuzzy Sets. *IEEE Transactions on Fuzzy Systems*, 24 (2016) 360-373
7. Ignacio Montes, Nikhil Pal, Vladimir Janis, Susana Montes. Divergence measures for intuitionistic fuzzy sets. *IEEE Transactions on Fuzzy Systems*, 23 (2015) 444-456
8. Pelayo Quirós, Pedro Alonso, Humberto Bustince, Irene Díaz, Susana Montes. An entropy measure definition for finite interval-valued hesitant fuzzy sets. *Knowledge-based Systems*, 84 (2015) 121-133
9. Ignacio Montes, Enrique Miranda, Susana Montes. Decision making with imprecise probabilities and utilities by means of statistical preference and stochastic dominance. *European Journal of Operational Research* 234/1 (2014) 209-220
10. Davide Martinetti, Bernard de Baets, Susana Díaz, Susana Montes. On the role of acyclicity in the study of rationality of fuzzy choice functions. *Fuzzy Sets and Systems*, 239/C (2014), 35-50
11. Jorge Jiménez, Susana Montes, Branimir Seselja, Andrea Tepavcevic. Fuzzy correspondence inequations and equations. *Fuzzy Sets and Systems*, 239/C (2014), 81-90
12. Pelayo Quirós, Pedro Alonso, Irene Díaz, Susana Montes. On the use of fuzzy partitions to protect data. *Integrated Computer-Aid Engineering*, 21 (2014) 355-366
13. Davide Martinetti, Vladimir Janis, Susana Montes. Cuts of intuitionistic fuzzy sets respecting fuzzy connectives. *Information Sciences*, 232 (2013), 267-275
14. Ignacio Montes, Susana Díaz, Susana Montes. On complete fuzzy preorders and their characterizations. *Soft Computing*, 15/10 (2011) 1999-2011

C.2. Research projects and grants

1. Title: Etapas de diseño y elección en la toma de decisiones bajo razonamiento aproximado (MTM2007-61193)

Since: December/2007 Until: December/2010

Amount of money: 78408,00 €

Main researcher: **Susana Montes Rodríguez**

2. Title: Modelización de la incertidumbre y la imprecisión en la toma de decisiones (MTM2010-17844)

Since: January/2011 Until: December/2013

Amount of money: 41261,00 €

Main researcher: **Susana Montes Rodríguez**

3. Title: Modelos de decisión y clasificación en soft computing (TIN2014-59543-P)

Since: January, 1, 2015 Until: December, 31, 2018

Amount of money: 67155 euros

Main researcher: **Susana Montes Rodríguez**

4. Title: Comparación de modelos de incertidumbre para el diseño y mejora de algoritmo en problemas de fiabilidad humana (MCIU-19-PGC2018-098623-B-I00)

Since: January, 1, 2019 Until: December, 31, 2022

Amount of money: 84700 euros

Main researcher: **Susana Montes Rodríguez** y Enrique Miranda Menéndez

C.3. Contracts

1. Title: Análisis de datos para experimentación y mejora en procesos industriales.

FUO-159-16. From: 07/04/2016 To: 24/05/2016 Duration: 1.5 months

*I.P.: Susana Irene Díaz Rodríguez and **Susana Montes Rodríguez***

Amount of money: 3616 euros

2. EOLO-Velocidad máxima del viento. *FUO-072-17.*

From: 10/02/2017 To: 09/08/2018 Duration: 18 months

*I.P.: Susana Montes Rodríguez y **Susana Irene Díaz Rodríguez***

Amount of money: 62651 euros

3. Mejora de la Flexibilidad, Eficiencia y Productividad en la planta cementera a través de un nuevo modelo productivo Industria 4.0. *FUO-073-17.*

From: 10/01/2017 To: 30/11/2017 Duration: 11 months

*I.P.: Susana Irene Díaz Rodríguez and **Susana Montes Rodríguez***

Amount of money: 30000 euros

C.4. Patents

C.5 Memberships of scientific societies.

I am member of the IEEE (from 2017), EUSFLAT (from 1997), SEIO (from 1995) and AEIPIA (from 2018) societies. For the EUSFLAT society, she was the treasurer from 2015 to 2019 and the secretary from 2019. She also is the vice-president of IFSA from 2019.

C.6 Editorial work

Member of the editorial board of:

1. IEEE Transactions on Fuzzy Systems (IF SCI 2016: 7.671; 4/133 in Computer Science, Artificial Intelligence; T1) from 2016 to 2021
2. Journal of Intelligent and Fuzzy Systems (IF SCI 2016: 1.261; 88/133 in Computer Science, Artificial Intelligence; T2) from 2014 to 2020
3. Fuzzy Sets and Systems (IF SCI 2016: 1.581; 8/124 in Statistics & Probability; T1) during the academic year 2017/2018.
4. Electronic Journal of Applied Statistical Analysis (Índice de impacto SJR 2016: 0.187 en Mathematics; Q3) from 2012
5. International Journal of Mathematics and Mathematical Sciences (Índice de impacto SJR 2016: 0.288 en Mathematics; Q3. Índice de impacto RG 2016: 0.52) from 2016

6. Mathematics (Índice de impacto JCR 2019: 1.747 en Mathematics; Q1) from 2020

Co-editor of 3 special issues:

1. N. 142-1 (2004) of Fuzzy Sets and Systems (IF SCI 2016: 1.581; 8/124 in Statistics & Probability; T1); 11 papers
2. N.278 (2015) of Fuzzy Sets and Systems (IF SCI 2016: 1.581; 8/124 in Statistics & Probability; T1); 7 papers
3. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (IF SCI 2016: 1.214; 89/133 in Computer Science, Artificial Intelligence; T3); 7 papers

Reviewer for several international journals. The most important ones are: Fuzzy Sets and Systems (IF SCI 2016: 1.581; 8/124 in Statistics & Probability; T1), Expert Systems With Applications (IF SCI 2016: 3.928; 3/83 in Operations Research & Management Science; T1), Fuzzy Optimization And Decision Making (IF SCI 2016: 1.681; 35/83 in Operations Research & Management Science; T2), Chaos Solitons & Fractals (IF SCI 2016: 1.455; 44/100 in Mathematics, Interdisciplinary Applications; T2), International Journal of Computer Mathematics (IF SCI 2016: 0.971; 116/255 in Mathematics, Applied; T2), Information Sciences (IF SCI 2016: 4.832; 7/146 in Computer Science, Information Systems; T1), IEEE Transactions on Fuzzy Systems (IF SCI 2016: 7.671; 4/133 in Computer Science, Artificial Intelligence; T1), International Journal of Approximate Reasoning (IF SCI 2016: 2.845; 34/133 in Computer Science, Artificial Intelligence; T1), Meccanica (IF SCI 2016: 2.196; 38/133 in Mechanics; T1), Journal of Intelligent and Fuzzy Systems (IF SCI 2016: 1.261; 88/133 in Computer Science, Artificial Intelligence; T2) y International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (IF SCI 2016: 1.214; 89/133 in Computer Science, Artificial Intelligence; T3).

C.7 Organization of research meetings.

Member of the Organizing Committee of ESTYLF 1996, AGOP2001, AGOP2003, Eurofuse'2013 (Head), SEIO 2018, SIPTA School 2018, ESTYLF2021 and WILF2021.

Member of the Program Committee of more than 30 international conferences.

C.8 Student supervision.

Co-promotor of the PhD Theses of Susana Díaz (2004), Ignacio Montes (2014), Davide Martinetti (2014), Raúl Pérez-Fernández (2017) and Ángel Riesgo (2019). Nowadays, she is supervising the PhD Thesis of Pedro Huidobro.

C.9 Invited and plenary talks.

Invited talks at the department of Computer Science at the Rovira i Virgili University (Spain), department of Computer Science and Systems at the University of Pavia (Italy), Institute of Smart Cities Data Center in Pamplona (Spain), Faculty of Sciences of the University of Navarra (Spain) and University of Hyogo (Japan).

Plenary talks: Meeting of the Spanish Network in Topology in Pamplona (Spain), Conference of the Argentine Group of Biometry in Corrientes (Argentina), FSTA2018 Conference in Liptovský Ján (Slovak Republic) and IFSA2019 Conference in Louisiana (USA).