

# MarÃ-a del Mar Eva Alemany-DÃ-az

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,056  
citations

516710

16  
h-index

434195

31  
g-index

65  
all docs

65  
docs citations

65  
times ranked

772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization model to support sustainable crop planning for reducing unfairness among farmers. Central European Journal of Operations Research, 2022, 30, 1101-1127.	1.8	11
2	Increasing the sustainability of a fresh vegetables supply chain through the optimization of funding programs: A multi-objective mathematical programming approach. Journal of Industrial Engineering and Management, 2022, 15, 256.	1.5	1
3	EMPLOYERS'™ PERCEPTION OF THE SUSTAINABLE DEVELOPMENT GOALS IN HIGHER TECHNICAL EDUCATION: A REVISION. INTED Proceedings, 2022, , .	0.0	0
4	HOW TO KNOW THE AWARENESS OF SUSTAINABLE DEVELOPMENT GOALS AMONG STUDENTS? A REVISION OF QUESTIONNAIRE SURVEYS. INTED Proceedings, 2022, , .	0.0	0
5	Centralized and distributed optimization models for the multi-farmer crop planning problem under uncertainty: Application to a fresh tomato Argentinean supply chain case study. Computers and Industrial Engineering, 2021, 153, 107048.	6.3	26
6	ANALYSIS OF DIGITAL TEACHING TOOLS IN THE NEW EDUCATIONAL PARADIGM. , 2021, , .		0
7	Impact of product perishability on agri-food supply chains design. Applied Mathematical Modelling, 2021, 96, 20-38.	4.2	35
8	Demand Forecasting for Textile Products Using Statistical Analysis and Machine Learning Algorithms. Lecture Notes in Computer Science, 2021, , 181-194.	1.3	4
9	Agri-food 4.0: A survey of the supply chains and technologies for the future agriculture. Computers in Industry, 2020, 117, 103187.	9.9	377
10	Using LEL and scenarios to derive mathematical programming models. Application in a fresh tomato packing problem. Computers and Electronics in Agriculture, 2020, 170, 105242.	7.7	5
11	Artificial Intelligence in Supply Chain Operations Planning: Collaboration and Digital Perspectives. IFIP Advances in Information and Communication Technology, 2020, , 365-378.	0.7	10
12	A Comparison of Machine Learning and Classical Demand Forecasting Methods: A Case Study of Ecuadorian Textile Industry. Lecture Notes in Computer Science, 2020, , 131-142.	1.3	6
13	Optimization Models to Improve First Quality Agricultural Production Through a Collaboration Program in Different Scenarios. IFIP Advances in Information and Communication Technology, 2020, , 546-559.	0.7	1
14	A Decision Support Tool for the Selection of Promoting Actions to Encourage Collaboration in Projects for the Agriculture Sector. IFIP Advances in Information and Communication Technology, 2020, , 534-545.	0.7	0
15	A Forecasting Model to Predict the Demand of Roses in an Ecuadorian Small Business Under Uncertain Scenarios. Lecture Notes in Computer Science, 2020, , 245-258.	1.3	1
16	Architecture description for the resolution of the product pack order promising process in a collaborative context. , 2020, , 523-531.		0
17	Simulation to reallocate supply to committed orders under shortage. International Journal of Production Research, 2019, 57, 1552-1570.	7.5	8
18	Review of mathematical models for production planning under uncertainty due to lack of homogeneity: proposal of a conceptual model. International Journal of Production Research, 2019, 57, 5239-5283.	7.5	17

#	ARTICLE	IF	CITATIONS
19	Value-Chain Wide Food Waste Management: A Systematic Literature Review. Lecture Notes in Business Information Processing, 2019, , 41-54.	1.0	2
20	How to Support Group Decision Making in Horticulture: An Approach Based on the Combination of a Centralized Mathematical Model and a Group Decision Support System. Lecture Notes in Business Information Processing, 2019, , 83-94.	1.0	5
21	Possibilistic compositions and state functions: application to the order promising process for perishables. International Journal of Production Research, 2019, 57, 7006-7031.	7.5	6
22	Conceptual framework for designing agri-food supply chains under uncertainty by mathematical programming models. International Journal of Production Research, 2018, 56, 4418-4446.	7.5	60
23	Methodology for the design and simulation of industrial facilities and production systems based on a modular approach in an "industry 4.0" context. DYNA (Colombia), 2018, 85, 243-252.	0.4	8
24	A multi-objective model for inventory and planned production reassignment to committed orders with homogeneity requirements. Computers and Industrial Engineering, 2018, 124, 180-194.	6.3	7
25	A Fuzzy Order Promising Model With Non-Uniform Finished Goods. International Journal of Fuzzy Systems, 2018, 20, 187-208.	4.0	6
26	A decision support tool for the order promising process with product homogeneity requirements in hybrid Make-To-Stock and Make-To-Order environments. Application to a ceramic tile company. Computers and Industrial Engineering, 2018, 122, 219-234.	6.3	6
27	Mathematical modelling of the order-promising process for fruit supply chains considering the perishability and subtypes of products. Applied Mathematical Modelling, 2017, 49, 255-278.	4.2	39
28	Conceptual Framework for Managing Uncertainty in a Collaborative Agri-Food Supply Chain Context. IFIP Advances in Information and Communication Technology, 2017, , 715-724.	0.7	9
29	Event Monitoring System to Classify Unexpected Events for Production Planning. Lecture Notes in Business Information Processing, 2017, , 140-154.	1.0	0
30	Configurable DSS for Uncertainty Management by Fuzzy Sets. Procedia Computer Science, 2016, 83, 1019-1024.	2.0	4
31	A review of mathematical models for supporting the order promising process under Lack of Homogeneity in Product and other sources of uncertainty. Computers and Industrial Engineering, 2016, 91, 239-261.	6.3	17
32	Fuzzy sets to model master production effectively in Make to Stock companies with Lack of Homogeneity in the Product. Fuzzy Sets and Systems, 2016, 293, 95-112.	2.7	8
33	Modelling Pricing Policy Based on Shelf-Life of Non Homogeneous Available-To-Promise in Fruit Supply Chains. IFIP Advances in Information and Communication Technology, 2016, , 608-617.	0.7	2
34	The Methodology of Modeling the Decision-Making Process for Planning the Logistics Supply Chain. Advances in Intelligent Systems and Computing, 2016, , 85-96.	0.6	1
35	RUBRIC FOR THE ASSESSMENT THE COMPETENCE OF INNOVATION CREATIVITY AND ENTREPRENEURSHIP IN BACHELOR DEGREE. Brazilian Journal of Operations and Production Management, 2016, 13, 118.	1.4	4
36	CONCEPTUAL FRAMEWORK FOR APPLYING INTERNET OF THINGS IN PRODUCTION SYSTEMS FOR SENSING ENTERPRISES. Brazilian Journal of Operations and Production Management, 2016, 13, 66.	1.4	2

#	ARTICLE	IF	CITATIONS
37	A Mathematical Programming Model for Tactical Planning with Set-up Continuity in a Two-stage Ceramic Firm. <i>International Journal of Production Management and Engineering</i> , 2016, 4, 53.	1.5	0
38	Event Management for Sensing Enterprises with Decision Support Systems. <i>Annals of Data Science</i> , 2015, 2, 103-109.	3.2	0
39	A MODEL-DRIVEN DECISION SUPPORT SYSTEM FOR REALLOCATION OF SUPPLY TO ORDERS UNDER UNCERTAINTY IN CERAMIC COMPANIES. <i>Technological and Economic Development of Economy</i> , 2015, 21, 596-625.	4.6	10
40	Application of particle swarm optimisation with backward calculation to solve a fuzzy multi-objective supply chain master planning model. <i>International Journal of Bio-Inspired Computation</i> , 2015, 7, 157.	0.9	15
41	A fuzzy model for shortage planning under uncertainty due to lack of homogeneity in planned production lots. <i>Applied Mathematical Modelling</i> , 2015, 39, 4463-4481.	4.2	16
42	Event Monitoring Software Application for Production Planning Systems. <i>Lecture Notes in Management and Industrial Engineering</i> , 2015, , 123-130.	0.4	3
43	A Decentralized Production and Distribution Planning Model in an Uncertain Environment. <i>Studies in Fuzziness and Soft Computing</i> , 2014, , 317-353.	0.8	3
44	A model-driven DSS architecture for delivery management in collaborative supply chains with lack of homogeneity in products. <i>Production Planning and Control</i> , 2014, 25, 650-661.	8.8	14
45	Set-up Continuity in Tactical Planning of Semi-Continuous Industrial Processes. <i>Lecture Notes in Management and Industrial Engineering</i> , 2014, , 165-173.	0.4	0
46	Order Promising Process for Supply Chains with Lack of Homogeneity in the Product. <i>Lecture Notes in Management and Industrial Engineering</i> , 2014, , 185-192.	0.4	0
47	Available-To-Promise modeling for multi-plant manufacturing characterized by lack of homogeneity in the product: An illustration of a ceramic case. <i>Applied Mathematical Modelling</i> , 2013, 37, 3380-3398.	4.2	32
48	Structural elements of coordination mechanisms in collaborative planning processes and their assessment through maturity models: Application to a ceramic tile company. <i>Computers in Industry</i> , 2013, 64, 898-911.	9.9	38
49	Reasignación óptima del inventario a pedidos en empresas cerámicas caracterizadas por la falta de homogeneidad en el producto (FHP). <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2013, 52, 31-41.	1.9	4
50	Fuzzy multi-objective optimisation for master planning in a ceramic supply chain. <i>International Journal of Production Research</i> , 2012, 50, 3011-3020.	7.5	29
51	Framework for Modelling the Decision. <i>International Journal of Decision Support System Technology</i> , 2012, 4, 59-77.	0.7	4
52	METODOLOGÍA PARA LA REINGENIERIA BASADA EN EL MODELADO DE PROCESOS DE NEGOCIO. <i>Dyna (Spain)</i> , 2012, 87, 566-573.	0.2	0
53	An application to support the temporal and spatial distributed decision-making process in supply chain collaborative planning. <i>Computers in Industry</i> , 2011, 62, 519-540.	9.9	28
54	La falta de homogeneidad del producto (FHP) en las empresas cerámicas y su impacto en la reasignación del inventario. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2011, 50, 49-58.	1.9	19

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55	Mathematical programming model for centralised master planning in ceramic tile supply chains. International Journal of Production Research, 2010, 48, 5053-5074.	7.5	34
56	A Conceptual Framework for Modelling the Collaborative Order Management Process. , 2009, , .		1
57	Conceptual framework for the characterization of the order promising process in a collaborative selling network context. International Journal of Production Economics, 2009, 120, 100-114.	8.9	27
58	Order promising process for extended collaborative selling chain. Production Planning and Control, 2008, 19, 105-131.	8.8	13
59	El proceso de comprometer pedidos de un paquete de productos integrado por productos del sector cerámico y productos complementarios: Parte I Descripción y caracterización de la problemática. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2007, 46, 21-28.	1.9	3
60	El proceso de comprometer pedidos de un paquete de productos integrado por productos del sector cerámico y productos complementarios: Parte II Descripción de la metodología de solución. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2007, 46, 29-38.	1.9	6
61	A design and application methodology for hierarchical production planning decision support systems in an enterprise integration context. International Journal of Production Economics, 2001, 74, 5-20.	8.9	37
62	A mathematical programming tool for an efficient decision-making on teaching assignment under non-regular time schedules. Operational Research, 0, , 1.	2.0	1
63	Métodos y Modelos Deterministas e Inciertos para la Gestión de Cadenas de Suministro Agroalimentarias. Dirección Y Organización, 0, , 41-46.	0.3	2