

PERSONAL INFORMATION

Roberto Montanari



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https://personale.unipr.it/ugovdocenti/person/19786

Sex Male | Date of birth 11/02/1973 | Nationality Italian

POSITION

FULL PROFESSOR

Academic discipline: ING-IND/17 Industrial mechanical plants

WORK EXPERIENCE

November 2010 – to date

Full professor

Department of Engineering and Architecture, University of Parma, Italy (www.dia.unipr.it)

- Professor for the following courses:
 - Industrial plants (12 ECTS) - Management engineering degree
 - Digital twin (6 EXTS) - Engineering For Food Industry master degree
- Rector’s Delegate for Curricular and extracurricular internships. January 2021 – November 2023
- Director of the Interdepartmental Centre for packaging CIPACK. November 2014 – to date
- Rector’s Delegate for Erasmus and Overworld. January 2018 - January 2021.
- Dean of Engineering For Food Industry master degree. November 2011 – December 2018
- Founder, member and CEO (2014 - 2018) of FMB - Eng.In.E. SRL Spin Off company of University of Parma (<https://www.fmb-engine.it/>)
- Founder, member of ULISSE SRL Spin Off company of University of Parma
- Vice-Director of the Centre for packaging CIPACK. November 2012 – November 2014
- Double degree Program Coordinator in:
 - Mechanical engineering master degree
 - Management engineering master degree
 - Engineering For Food Industry master degree
- Member of the International-Erasmus Committee 2003 – to date.
- Member of the Scientific Board of the PhD Programme in industrial engineering.
- President of the commission of the State Professional Examinations for Architects and Engineers. Year 2019
- President of the commission of the State Professional Examinations for Architects and Engineers. Year 2012

Department of Economics Science and Law . University of Repubblica di San Marino

- Professor for the the following courses:
 - Industrial plants (12 ECTS) - Management engineering degree
 - Simulation of production systems (6 EXTS) - Management engineering master degree

December 2004 – November 2010

Associate ProfessorFaculty of Engineering, University of Parma, Italy (www.dia.unipr.it)

- In charge of the following courses at University of Parma:
 - Industrial plants (9 ECTS) - Management engineering degree
 - Simulation of production systems (6 EXTS) - Management engineering master degree
- Member of the student orientation committee (2008 - 2013)
- Member of the monitoring committee (2005 - 2013)
- Coordinator of the International Erasmus/Socrates committee (2009 – 2011)

February 2001 – December 2004

ResearcherFaculty of Agriculture, University of Parma, Italy (www.dia.unipr.it)

- Didactic support activities in the course of Production Management at University of Modena e Reggio Emilia - Faculty of engineering
- Didactic support activities in the course of Quality and Control, at University of Parma - Faculty of engineering.
- Didactic support activities in the course of Food industrial Plants at University of Parma - Faculty of engineering.

July 2002 – January 2003

Visiting professor

Division of Industrial Engineering at New Jersey Institute of Technology (NJ – USA).

Business or sector : Academia**EDUCATION AND TRAINING**

May 1999

Engineer (Italian professional qualification)Licence to practice obtained in Italy with the State Examination at the Univeristy of Parma (www.unipr.it)

1992 - 1998

Master in Mechanical EngineeringUniversity of Parma, Faculty of Engineering (www.unipr.it)

Final dissertation: "Micro hydraulic power plant design"

**MAGNA CUM
LAUDE
and "dignity of
printing"**The right to print
in an
International
Journal

1987 - 1992 **Higher School Diploma in Mechanics**

Industrial Technical Institute "L. Nobili" Reggio Emilia

TOP MARKS

Principal subjects/occupational skills covered: Mechanical Technology; Energy Systems; Machine Design; Metallurgy; Industrial Automation

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills

Excellent communicational skills, gained through the experience as university teacher. Having practiced in many different environments, I've had the possibility to highly increase my communication skills, my communicational skills were also increased by practicing as researcher and also producing papers and oral presentations.

Organisational / managerial skills

Excellent organisational / managerial and leadership skills.

- I teach Industrial Plants in technical and vocational courses, and I've managed more than 50 research projects funded by different firms (teams of 2 to 6 people).
- I was president of an Engineering master degree
- I am Double degree Program Coordinator of three master degrees
- I am a Rector's delegate since 2018
- I was President of the commission of the State Professional Examinations for 2 years

Job-related skills

Excellent experience in University-Industry Technology Transfer

- I am founder, member and I was CEO (2014 - 2018) of FMB - Eng.In.E. SRL Spin Off company of University of Parma
- I am Director of an Interdepartmental Centre for University-Industry Technology Transfer

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	BASIC USER	PROFICIENT USER

- Excellent command of Simul8™ simulation software
- Excellent command of Microsoft Office™ tools (particularly Excel, Word, Power Point)
- Excellent command of programming languages (Visual Basic)
- Good internet skills

Other skills

- Active volunteer in not-for-profit charities
- Hospice and disability centre board member

Driving licence Driving licence category: B

ADDITIONAL INFORMATION SCIENTIFIC ACTIVITY

General Description

ORCID iD: 0000-0002-5638-2074
<https://orcid.org/0000-0002-5638-2074>

Author ID: 35612760700
<https://www.scopus.com/authid/detail.uri?authorId=35612760700>

Citations and Other Statistics (as of March 2026 - www.scopus.com):

- 147 Total number of papers:
- **2659** Total citation
- **27** h-index

I have developed my scientific activity by researching various insights in depth in the Disciplinary Scientific Sector of Mechanical Industrial Plants ING-IND/17 with the following publications (see annex).

The main international scientific journals on which the results of the research have been published are the following: International Journal of Production Economics

- International Journal of Quality & Reliability Management
- Quality and Reliability Engineering International
- Reliability Engineering & System Safety
- Journal of Cleaner Production
- Renewable Energy
- Packaging Technology and Science
- Journal of Quality in Maintenance Engineering
- Computer & Operational Research
- Journal of Food Engineering
- European Pharmaceutical Review
- Trends in Food Science & Technology
- International Journal of RF Technologies: Research and Applications
- International Journal of Production Research

International awards

- April 2006: award for one of the best articles presented at the international conference "2006 CIGR Section VI International Symposium on FUTURE OF FOOD ENGINEERING, Warsaw, Poland, 26-28 April 2006". The selected article is G. Ferretti, R. Montanari. "A Finite-Difference Method for the Prediction of Velocity Field in the Extrusion Process" Journal of Food Engineering, 1 83 (2007) 84-92
- September 2012: BEST PAPER AWARD presented during the MAS 2012 conference September 19-21, 2012, Wien (Austria). Rinaldi, M., Bottani, E., Ferretti, G., Armenzoni, M., Marchini, D., Solari, F., Vignali, G., Montanari, R., 2012. Advanced design of industrial mixers for fluid foods using Computational Fluid Dynamics
- Settembre 2016 BEST PAPER AWARD presented during the XXI Summer School "Francesco Turco" per la pubblicazione Bottani, E., Rinaldi, M., Montanari, R., Murino, T., Centobelli, P., 2016. An adapted water wave optimization algorithm for routing order pickers in manual warehouses. Proceedings of the XXI Summer School "Francesco Turco", ISSN: 22838996, pp.209-214. September 13-15, 2016, Naples (Italy).

Organization, direction and coordination of research groups

- Scientific manager for "Design and functional optimization of extruders operating in the food sector" within TECAL, net-lab of the HI Mech District of the Emilia-Romagna Region. July 2005 - September 2007
- Scientific manager in WP1 "Design and manufacture by new technologies" in the Regional

Call titled "Nuovi paradigmi per la progettazione, costruzione ed il funzionamento di macchine e impianti per l'industria alimentare" POR – FESR 2014-2020 Asse 1 Azione 1.2.2. 2017-2018

- Principal Investigator in Smart Cities project titled "**SORT** – Development of integrated innovative technological systems for the unpacking, the organization of stocks and the tracking of wasted food products aimed at their valorisation".(Decreto Direttoriale 5 luglio 2012 n. 391/Ric.).

Total amount of funding: 14 794 244.29€

Total amount of funding for University of Parma: 1 009 367.59€

- Principal Investigator in the project titled "LE SFIDE DEL PACKAGING PER L'ECONOMIA CIRCOLARE" presented in the Regional call named "Progetti di alta formazione in ambito tecnologico economico e culturale per una regione della conoscenza europea e attrattiva" Giunta Regionale n. 1625 del 18/10/2021

Total amount of funding: 132 000.00€

- Scientific manager of the activities carried out by the CIPACK center within the call for proposals to support research and innovation projects for the development of solutions against the COVID-19 epidemic, POR-FESR Emilia Romagna 2014-2020, Action 1.1. 4 "Thermal sanitization - PPE: innovative device for thermal washing of personal protective equipment useful for health protection from COVID-19" presented by the company Nilma S.p.A. from June 2020 to March 2021.

Total amount of funding for University of Parma: 40,000.00€

- Responsible for the TECSKILL project, "Green and Digital Competences Development for European Engineering PhD Candidates," at the University of Parma. The TECSKILL project is part of the Erasmus+ Programme Partnerships for cooperation and exchanges of practices KA220-HED - Cooperation partnerships in higher education 2022. The overall objective of TECSKILL is to develop green and digital competences in engineering doctoral candidates in Europe, acquiring international training experiences and fostering innovative learning methodologies for these skills. The project involves the participation of 4 universities: UNIVERSIDAD DE EXTREMADURA Spain (Lead Partner), UNIVERSIDADE DE EVORA Portugal, HOGSKOLAN IGAVLE Sweden, and UNIVERSITA DEGLI STUDI DI PARMA Italy.

Total amount of funding: 400,000.00€

Total amount of funding for University of Parma: 102,400.00€

- Principal Investigator in the project titled "SISTEMA MODULARE DI ABBATTIMENTO ASSORBIMENTO INQUINANTI DELL' H2O - SMART H2O", PR FESR 2021-2027 AZIONE 1.1.2 BANDO PER PROGETTI DI RICERCA INDUSTRIALE STRATEGICA RIVOLTI AGLI AMBITI PRIORITARI DELLA STRATEGIA DI SPECIALIZZAZIONE INTELLIGENTE - DGR 2097/2022

Total amount of funding: 499,547.00€

- Principal Investigator in the project titled "TOP - Titania Oxidation Process for industrial Wastewater", PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE –

Bando 2022 PNRR Prot. P2022KA57X

Total amount of funding: 224,999.00€

- Scientific manager in WP4 in the project titled “Solid Foam Photocatalytic Multiscale Filters – SPUMA” - PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – NextGenerationEU

Total amount of funding: 189,664.00€

- Scientific manager in WP5 and WP6 in the project titled “Sviluppo di materiali Ecosostenibili per Accessori di stiLe – SEAL” BANDO a CASCATA Progetto “Made in Italy Circolare e Sostenibile - MICS” – NextGenerationEU

Total amount of funding: 440,000.00€

International scientific activities

- Co-founder of Global RF Labs Alliance Network, a network of excellence among eight RF Labs worldwide, aimed at promoting communication, collaboration and resource exchange among RF Labs. .
- Guest speaker, “3rd RFID Academic Convocation”, Shanghai, 27-28 October 2006
- Guest speaker, “RFID Journal LIVE! Europe 2007” Amsterdam 6-8 November 2007
- Guest speaker, “RFID in fashion” New York 13-14 Agosto 2008

Scientific Collaborations

In my scientific activity I collaborate with Italian and foreign researchers. In particular the main Italian collaborators are:

- Prof. M. Braglia, Ing. M. Frosolini: (Dipartimento di Ingegneria Meccanica, Nucleare e della Produzione, Facoltà di Ingegneria, University of Pisa)
- Prof. M Bevilacqua: Dipartimento di Energetica, Facoltà di Ingegneria, Università Politecnica delle Marche
- Prof. G. Ferretti, Prof. R. Rizzo, Prof. A. Rizzi, Ing. M. Bertolini, Ing. E. Bottani, Ing. G. Vignali, Ing. A. Volpi, Ing. M. Tizzi, Ing. V. Branchi, Ing. C. Carboni, Ing. D. Meneghetti: Dipartimento di Ingegneria Industriale, Facoltà di Ingegneria, University of Parma
- Dr. Francesco Longo: University of Calabria
- Prof. Agostino Bruzzone: University of Genova
- Prof. A. Grassi, Dr. Teresa Murino, prof.ssa Liberatina Carmela Santillo, dr. Piera Centobelli: Università degli Studi di Napoli Federico II

The main foreign researchers I collaborate with are:

- Prof. A. L. Malek, Full Professor, Dept. Of Industrial and Manufacturing Engineering, New Jersey Institute of Technology, Newark, NJ, USA
- Dr. Pinyuan Shan, New Jersey Institute of Technology, Newark, NJ, USA
- Dr. Ehsan Shekarian; dr. Nima Kazemi: University of Malaya (Malaysia)
- Prof. Kannan Govindan: University of Southern Denmark (Denmark)

Memberships in societies and

- Editor of International Journal of Supply Chain and Inventory Management, Since 2013

scientific committees

(www.inderscience.com/ijscim). ISSN 2054-099X (print) e 2054-1007 (online).

- Editorial member of the international journal "The Far-East Journal Of Mathematics " (2006 – 2011)
- Editorial member of the journal "International Journal of RF Technologies: Research and Applications", (2007 – 2012)
- Guest Editor, of a special issue of the International Journal of Engineering, Science and Technology (co-guest editors: ing. Barbara Bigliardi e prof. Roberto Montanari). The topic was "New product development and innovation" 2010
- Guest Editor, of a special issue of the International Journal of Business Performance and Supply Chain Modelling (co-guest editors: ing. Barbara Bigliardi e prof. Roberto Montanari). The topic was " Advanced models for the design, optimisation and performance measurement of supply chains" 2010
- Editorial member of the international journal "Advances and Applications in Fluid Mechanics" (2006 – 2010)
- Scientific board member of the journal "Imbottigliamento" (2015 al 2017)
- Scientific board member of "FabbricaFuturo" (2014 – 2019)
- Scientific board member of Associazione Docenti Impianti Industriali (AIDI)

Journals Reviewer Activities

European Journal of Operational Research; International Journal of Systems Science; Computers & Industrial Engineering; Chemical Product and Process Modelling; International Journal of Food Science and Technology; Information Sciences; and International Journal of Quality and Reliability Management.

M.I.U.R. (Italian Ministry of Education, University and Research) referee for national research evaluation: VQR-2011-2014

M.I.U.R. (Italian Ministry of Education, University and Research) referee for national research evaluation: VQR 2015-2019

ADDITIONAL INFORMATION
TEACHING ACTIVITY

International academic activities
and award

- Designer and General Coordinator of the UMANE project within the Atlantis program, for the mobility of students and lecturers in 5 universities such as University of Parma, University of Extremadura (Spain), University of Valencia (Spain), New Jersey Institute of Technology NJIT (NJ, USA), Rutgers University (NJ, USA). September 2010 – September 2014
Total amount of funding for EU Universities: 416.000€
Total amount of funding for US Universities: 416.000\$
- Program Designer and General Coordinator in the Management Engineering Master Double Degree between University of Parma and New Jersey Institute of Technology NJIT (NJ, USA) since Academic year 2016/2017.
- Program Designer and General Coordinator in the Mechanical Engineering Master Double Degree between University of Parma and New Jersey Institute of Technology NJIT (NJ, USA) since Academic year 2017/2018.
- Program Designer and General Coordinator in the Engineering for Food Industry Master Double Degree between University of Parma and New Jersey Institute of Technology NJIT (NJ, USA) since Academic year 2018/2019.

Organization, direction and
coordination of educational
activity

- 2008 / 2009 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "SPECIALISTA DI SOLUZIONI PER L'INDUSTRIALIZZAZIONE DELLA FILIERA AGRO-INDUSTRIALE" Rif-PA 2008-153/RER – code IFOA MQ2 founded by RER 1306 del 28/07/2008
- 2009 / 2010 Academic Coordinator and Scientific Board Member of IFTS (HIGHER

TECHNICAL EDUCATION AND TRAINING) course titled "ESPERTO IN MANAGEMENT DEI PROCESSI NELLA FILIERA AGRO-INDUSTRIALE" Rif-PA 2009-430/RER – code IFOA NK2 founded by RER n. 969 del 2009

- 2010 / 2011 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "ESPERTO IN MANAGEMENT DEI PROCESSI NELLA FILIERA AGRO-INDUSTRIALE" Rif-PA 2010-876/RER – code IFOA QE9 founded by RER n. 828 del 21/06/2010
- 2011 / 2012 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO SUPERIORE DI PRODOTTO E DI PROCESSO PER LA FILIERA AGRO-INDUSTRIALE" Rif-PA 2011-1190/RER – code IFOA UJ2 founded by RER n. 1347 del 19/09/2011
- 2012 / 2013 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO SUPERIORE DI PRODOTTO E DI PROCESSO PER LA FILIERA AGRO-INDUSTRIALE" Rif-PA 2012-1566/RER - code IFOA VU2 founded by RER n. 874 del 25/06/2012
- 2013 / 2014 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO SUPERIORE DI PRODOTTO E DI PROCESSO NELL' AGRO-INDUSTRIA" Rif-PA 2013-2347/RER - code IFOA KTL founded by RER n. 1166 del 02/08/2013
- 2014 / 2015 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO SUPERIORE DI PRODOTTO E DI PROCESSO NELL'AGRO-INDUSTRIA" Rif-PA 2014-2954/RER - code IFOA YH8 founded by RER n. 1258/2014
- 2015 / 2016 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO NELL' AGRO-INDUSTRIA" (Rif.PA 2015-4283/RER Approvato con Deliberazione di Giunta Regionale n. 907 del 13/07/2015)
- 2016-2017 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO NELL' AGRO-INDUSTRIA ", Rif. PA 2016-5705RER, founded by RER n. 1194 del 25/07/2016
- 2017-2018 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO NELL' AGRO-INDUSTRIA", Rif. PA 2017-7548/RER, founded by RER n. 953 del 28/06/2017
- 2018-2019 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO: TECNOLOGIE 4.0 PER LO SVILUPPO DELL'AGRO-INDUSTRIA", Rif. PA 2018-9709/RER, founded by RER n. 892 del 18/06/2018
- 2019-2020 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO: TECNOLOGIE 4.0 PER LO SVILUPPO DELL'AGRO-INDUSTRIA", Rif. 2019-12173/RER, founded by RER n. 1323 del 29/07/2019
- 2020-2021 Academic Coordinator and Scientific Board Member of IFTS (HIGHER TECHNICAL EDUCATION AND TRAINING) course titled "TECNICO DI PRODOTTO E DI PROCESSO: TECNOLOGIE 4.0 PER LO SVILUPPO DELL'AGRO-INDUSTRIA", Rif. PA 2020-14463/RER, founded by RER n. 927 del 28/07/2020
- February 2019. President in the commission devoted to the final evaluation of PhD students. XXXI cycle in Industrial Engineering.

**UNIVERSITY-INDUSTRY
TECHNOLOGY TRANSFER**

- Director of the Interdepartmental Centre for packaging CIPACK. The centre is configured as an interdepartmental centre with financial and managerial autonomy and aims to promote and coordinate research activities in basic and applied issues related to the packaging and bottling especially for the food and pharmaceutical industries. The aim of CIPACK is the promotion of technology transfer between universities and industries, to support the food and pharmaceutical industry and to promote international collaborations.
- Founder, member and CEO (2014 - 2018) of FMB - Eng.In.E. SRL Spin Off company of University of Parma. FMB supports the industries by applying advanced design tools such as CFD simulation and Discrete Event Simulation.
- Technical consultant for the industry (CTP) in disputes concerning tomato paste industry. 2011
- Technical consultant for the industry (CTP) in disputes concerning production of tortellini industry. 2012
- Official technical consultant (CTU) of the Court of Parma in disputes concerning refrigeration systems.
- Referee for an evaluation of a research regional project (Puglia Region) February 2017
- Technical consultant for the industry (CTP) in disputes concerning filling industry for a multinational company. Court of Zurich 2019
- Technical consultant for the industry (CTP) in disputes concerning milling plants. 2020
- Referee for an evaluation of a research regional project (Puglia Region) February 2021

ANNEXES
PUBLICATIONS LIST

SCIENTIFIC PUBLICATIONS ON
INTERNATIONAL JOURNALS

1. **R. Montanari** "Criteria for the economic planning of a low power hydroelectric plant", *Renewable Energy*; 28 (2003) 2129-2145.
2. **M. Bevilacqua, M. Braglia, R. Montanari.** "The classification and regression tree approach for pumps failure rate analysis", *Reliability Engineering & System Safety*, 79 (2003) 59-67.
3. **M. Braglia, M. Frosolini, R. Montanari,** "Fuzzy TOPSIS approach for failure mode, effects and criticality analysis", *Quality and Reliability Engineering International*, 19 (2003) 425-443.
4. **M. Braglia, M. Frosolini, R. Montanari.** "Fuzzy Logic Controller in Food Packaging Plant", *Packaging Technology and Science*, 16 (2003) 21-35.
5. **M. Braglia, M. Frosolini, R. Montanari.** "Fuzzy criticality assessment model for failure modes and effects analysis", *International Journal of Quality & Reliability Management*, Vol.20 N.4, (2003) 503-524.
6. **R. Montanari** "Environmental efficiency analysis for ENEL thermo-power plants", *Journal of Cleaner Production*; 12 (2004) 403-414.
7. **M. Braglia, A. Grassi, R. Montanari.** Multi-attribute classification method for spare parts inventory management, *Journal of Quality in Maintenance Engineering*, 10 (2004) 55-65.
8. **L. L. Abdel-Malek, R. Montanari, L. C. Morales** "An Exact Approximate and Generic Iterative Method for The Multi-Product Newsboy Problem with a Budget Constraint", *International Journal of Production Economics* 91 (2004) 189-198.
9. **L. L. Abdel-Malek, R. Montanari** "On the Multi – Product Newsvendor Problem with Two Constraints" *Computer & Operations Research*, 32 (2005) 2095-2116.
10. **Grassi, R. Montanari,** "Simulation of the thermodynamic patterns in an ascending flow ripening chamber", *Journal of Food Engineering*, 68 (2005) 113-123
11. **L. L. Abdel-Malek, R. Montanari** "An analysis of the multi-product newsboy problem with a budget constraint", *International Journal of Production Economics*, 3 97 (2005) 296-307
12. **M. Bevilacqua, M. Braglia, M. Frosolini, R. Montanari,** "Failure rate prediction with artificial neural networks", *Journal of Quality in Maintenance Engineering*, 3 11 (2005) 279-294.
13. **M. Bertolini, G. Ferretti, A. Grassi and R. Montanari,** "Seasoning process design optimization for an ascending flow ripening chamber" *Journal of Food Engineering*, 3 77 (2006) 529-538
14. **G. Ferretti, R. Montanari.** "A Finite-Difference Method for the Prediction of Velocity Field in Extrusion Process" *Journal of Food Engineering*, 1 83 (2007) 84-92
15. **R. Montanari, A. Rizzi.** "A new Challenge in the Pharmaceutical Supply Chain", *European Pharmaceutical Review*, 2 (2007) 103-108
16. **C. Carboni, and R. Montanari,** "Solar thermal systems: Advantages in domestic integration"; *Renewable Energy*, 33 (2008) 1364-1373
17. **L. L. Abdel-Malek, R. Montanari, D. Meneghetti,** "The capacitated newsboy problem with random yield; The gardener problem", *International Journal of Production Economics*, 115 (2008) 113-127
18. **R. Montanari.** "Cold chain tracking: a managerial perspective", *Trends in Food Science & Technology*, 19 (2008) 425-431
19. **E. Bottani, R. Montanari, A. Rizzi.** "The impact of RFID technology and EPC system on stock-out of promotional items" *International Journal of RF Technologies: Research and Applications*, Vol.1, No.1, (2009) 6-22.
20. **Bottani, E., Ferretti, G., Montanari, R., Rizzi, A.** The impact of RFID technology and EPC system on logistics processes of the fashion industry supply chain. *International Journal of RF Technologies: Research and Applications*, vol.1, no.4, (2009), 225-252
21. **Bottani, E., Bertolini, M., Montanari, R., Volpi, A.** RFID-enabled Business Intelligence Modules for supply chain optimization. *International Journal of RF Technologies: Research and Applications*, vol.1, no.4, (2009), 253-278
22. **Bottani, E., Montanari, R.** Supply chain design and cost analysis through simulation. *International Journal of Production Research*, doi:10.1080/00207540902960299, Vol. 48, no. 10, (2010) 2859- 2886
23. **Bottani E., Montanari R., Volpi A.** The impact of RFID and EPC network on the bullwhip effect in the Italian FMCG supply chain. *International Journal of Production Economics*, Vol. 124, (2010), 426- 432
24. **Bigliardi, B., Bottani, E., Montanari, R., & Vignali G.,** 2010. Successful New Product Development in the food packaging industry: evidence from a case study. *International Journal of Engineering, Science and Technology*, 2(9), 13-24

25. **Bottani, E., Guerra, L., Montanari, R., & Vignali, G.,** 2011. A survey on packaging materials and technologies for commercial food products. *International Journal of Food Engineering*, 7(1), article 12
26. **Bottani, E., & Montanari, R.,** 2011. Design and performance evaluation of supply networks: a simulation study. *International Journal Business Performance and Supply Chain Modelling*, 3(3), 226-269
27. **Bertolini, M., Bottani, E., Ferretti, G., Montanari, R., & Volpi, A.** 2012. Analysis of the requirements of RFID tags for efficient fashion supply chain management. *International Journal of RF Technologies: Research and Applications*, 3(1), 39–65
28. **Bottani, E., Ferretti, G., Montanari, R., Rizzi, A., & Volpi, A.,** 2012. Performances of RFID, acousto-magnetic and radio frequency technologies for Electronic Article Surveillance in the apparel industry in Europe: a quantitative study. *International Journal of RF Technologies: Research and Applications*, 3(2), 137-158
29. **Alinovi, A., Bottani, E., & Montanari, R.,** 2012. Reverse Logistics: a stochastic EOQ-based inventory control model for mixed manufacturing/remanufacturing systems with return policies. *International Journal of Production Research (special issue: "Sustainable Supply Chain Management and Reverse Logistics")*, 50(5), 1243–1264
30. **Bottani, E., Cecconi, M., Vignali, G., & Montanari, R.,** 2012. Optimisation of storage allocation in order picking operations through a genetic algorithm. *International Journal of Logistics: Research and Applications*, 15(2), 127-146
31. **Bottani, E., Ferretti, G., Montanari, R., & Vignali, G.,** 2012. The impact of (S,s) policy on supply network performance: a simulation study. *International Journal of Business Performance and Supply Chain Modelling*, 4(2), 164-201
32. **Bottani, E., Montanari, R., Bruzzone, A., Longo, F., & Madeo, F.,** 2012. Simulation, analysis and optimization of container terminals processes. *International Journal of Modeling, Simulation, and Scientific Computing*, 3(4), article 1240006. DOI: 10.1142/S1793962312400065
33. **Bottani, E., Ferretti, G., Montanari, R., Vignali, G., Longo, F., & Bruzzone, A.,** 2013. Design of supply networks with optimized safety stock levels. *International Journal of Engineering, Science and Technology*, 5(2), 93-109
34. **Bottani, E., & Montanari, R.,** 2013. RFID and real time localization systems for warehouse management: a model for technical and economic evaluation. *International Journal of RF Technologies: Research and Applications*, 4(3-4), 209–245
35. **Armenzoni, M., Solari, F., Marchini, D., Montanari, R., Bottani, E., Vignali, G., & Ferretti, G.,** 2013. Advanced design of the pasta drying process with simulation tools. *International Journal of Simulation and Process Modelling* Vol. 8, No.2/3 pp. 104 - 117 DOI: 10.1504/IJSPM.2013.057542
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Personal Data

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