

ACTIVITATEA ȘTIINȚIFICĂ

Conf. Dr. Ing. Pislaru Marius

I. Lucrari publicate:

1. Articole publicate in reviste internationale cotate ISI:

1. Trandabat A., **Pislaru M.**, Branzila M., SiadEnv-*environmental friendly e-building energy management system* Environmental Engineering and Management Journal , March 2012, Vol 11, No. 3, 687-694. ISSN: 1582-9596 ,IF=1.117
2. **Pislaru M.**, Curteanu S., Cazacu M., *Fuzzy modeling applied to optical and surface properties of a ferrocenylsiloxane polyamide solution* Central European Journal of Chemistry Volume 10, Number 1, 194-204, DOI: 10.2478/s11532-011-0126-3, 2012: IF=0,991 JCR(RS)= 0.639
3. **Pislaru M.**, Trandabat A., Avasilcai S., *Neuro-fuzzy model for environmental impact assessment* Environmental Engineering and Management Journal- ISSN: 1582-9596 March 2011, Vol.10, No. 3,381-386 (IF= 1.004, RS=0).
4. Piuleac, C.G., Curteanu, S., Furtuna, R., **Pislaru, M.** *Neural networks based models applied to an electrocoagulation process* - Environmental Engineering and Management Journal, ISSN: 1582-9596 March 2011, Vol.10, No.3, pp. 375-380, (IF= 1.004, RS=0)
5. **Pislaru, M.**, Avasilcai, S; Trandabat, A, *Environmental sustainability based on fuzzy models*, Environmental Engineering and Management Journal, pp. 25 – 29 , Jan./Feb. 2008, Vol. 7, No. 1, ISSN:1582-9596 (ISI Journal)
6. Trandabat, A., Branzila, M., Donciu, C., **Pislaru, M.**, Ciobanu, R.C., *Using gps technology and distributed measurement system for air quality mapping of residential area* Environmental engineering and Management Journal, pp. 545-548, Nov./Dec. 2007 Vol. 6 No. 6 , ISSN:1582-9596

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1. **Marius, P.**, Elena-Lidia, A., Ionut-Viorel, H., Raluca Petronela, L. *Fuzzy logic- a practical tool for monitoring urban areas environmental performance* 17th International Multidisciplinary Scientific Geoconference, SGEM 2017; Albena; Bulgaria; 29 June 2017 through 5 July 2017 Volume 17, Issue 52, 2017, Pages 395-402, ISSN: 13142704, DOI: 10.5593/sgem2017/52/S20.051
2. **Marius, P.**, Elena-Lidia, A., Ionut-Viorel, H., Raluca Petronela, L. *Fuzzy designed system for corporate environmental impact assessmen* 17th International Multidisciplinary Scientific Geoconference, SGEM 2017; Albena; Bulgaria; 29 June 2017 through 5 July 2017 Volume 17, Issue 52, 2017, Pages 387-394, ISSN: 13142704, DOI: 10.5593/sgem2017/52/S20.050
3. **Pislaru, M.**, Avasilcai, S., Alexa, L. *Innovative approach based on fuzzy modelling for ecosystems assessment* 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Energy and Clean Technologies Conference Proceedings, volume 3, 2-5 November, 2016, Vienna, Austria, pages: 137-144, ISBN:978-619-7105-82-7, ISSN 1314-27-04, DOI:105593/sgem2016HB43
4. **Pislaru, M.** Trandabat, D.; Trandabat, A. *Assessment of Corporate Environmental Performance Based on Fuzzy Approach*, 2013 4TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND DEVELOPMENT- ICESD 2013 Book Series: APCBEE Procedia Volume: 5 Pages: 368-372 Date: JAN 19-20, Published: 2013
5. Trandabat, A.; **Pislaru, M.**; Trandabat, D., SIADENV SAFETY AND COMMUNICATION FEATURES IN REAL LIFE SCENARIOS Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013) Book Series:

Advanced Engineering Forum, Volume: 8-9 Pages: 195-204, DOI: 10.4028/www.scientific.net/AEF.8-9.195, ISBN: 978-3-03785-785-4, ISSN: 2234

6. **Pislaru, M.**, Avasilcai, S., and Trandabat A., *Engineering application based on fuzzy approach* The 2011 International Conference on Fuzzy Information and engineering (ICFIE 2011) with Workshop of the 2011 4th International Conference on Machine Vision Image Processing and Pattern Analysis (ICMV 2011) 9-10 Decembrie, Singapore Proceedings of SPIE, Volume 8349, Issue 1, 01/2012, pp 83491K-1:83491K-5 ISSN 0277-786X, DOI: 10.1117/12.920822
7. **Pislaru M.**, Trandabat A., Avasilcai S. *Environmental assessment for sustainability determination based on fuzzy logic model* Proceedings of 2nd International Conference on Environmental Science and Technology (ICEST) ; ISBN: 978-14244-9261-9, IEEE Catalog Number: CFP1122M-PRT; Book Series: International Proceedings of Chemical Biological and Environmental Engineering Volume: 6 Pages: VI301-VI305 Part: I Published: 2011 Volume 1, February 26-28, 2011 Singapore
8. **M. Pislaru**, A. Trandabat, S. Avasilcai *Optimization of a quality assurance process using computational techniques* Proceedings of the 7th International Conference on Management of Technological Changes (MTC 2011), September 1st-3rd, Alexandroupolis, Greece, ISBN 978-960-99486-1-6 ISBN (Book1): 978-960-99486-2-3, pp.593-596,
9. A. Trandabat, **M. Pislaru** *New energy management tool for buildings active energy consumes reduction* Proceedings of the 7th International Conference on Management of Technological Changes (MTC 2011), September 1st-3rd, Alexandroupolis, Greece, ISBN 978-960-99486-1-6 ISBN (Book1): 978-960-99486-2-3, pp.617-620.
10. Avasilcai, S; **Pislaru, M**; Bacali, L, *Performance indicators systems supporting the sustainable competitiveness of the entrepreneurial industrial firm based on neuro-fuzzy modeling* Conference Information: 6th International Conference on the Management of Technological Changes, pag 1-4, Vol2, SEP 03-05, 2009 Alexandroupolis GREECE; ISBN: 978-960-89832-8-1 (ISI Proceedings)
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12. Branzila M., Schreiner C ,Trandabat A., **Pislaru M**, *Intelligent system for monitoring of exhaust gas from hybrid vehicle*, Intelligent Systems, 2008. IS '08, 4th International IEEE Conference, Volume 1, Issue , 6-8 Sept. 2008, Varna, Bulgaria, Page(s):5-2 - 5-5, ISBN: 978-1-4244-1739-1 (ISI Proceedings) Digital Object Identifier: 10.1109/IS.2008.4670428
13. **M. Pislaru**, C. Schreiner, A. Trandabăt, *Fuzzy model for quality management evaluation* Proceedings of the 5th International Conference on the Management of Technological Changes Alexandroupolis, Greece August 25-26, 2007, Book 1 pp. 309-313 ISBN 978-960-8932-0-5 ISBN (VOL 1): 978-960-8932-0-5
14. **Pislaru M**, G. Condurache, *Assessment of quality management regarding engineering firm environment* Proceedings of the 5th International Conference on the Management of Technological Changes Alexandroupolis, Greece August 25-26, 2007, Book 1 Pag 303-307 ISBN 978-960-8932-0-5 ISBN (VOL 1): 978-960-8932-0-5 (ISI Proceedings)
15. S. Ghinet, G. Condurache, **M. Pislaru**, *Know how and organizational culture transfer from Europe to Romania – case study* Proceedings of the 5th International Conference on the Management of Technological Changes Alexandroupolis, Greece August 25-26, 2007, Book 1 Pag 449-456 ISBN 978-960-8932-0-5 ISBN (VOL 1): 978-960-8932-0-5
16. **M. Pislaru**, Trandabat, *Fuzzy model for environmental sustainability assurance*, RECENT PROGRESS IN COMPUTATIONAL SCIENCES AND ENGINEERING, Chania- Greece, VOL. 7A 2006, PP 718-723 ISSN 1573-4196
17. C. Istrate, R. Lazarescu, **M. Pislaru**, D.Daianu, I. Taucean, G. Condurache *Aspects regarding evaluation process in a practice firm* Proceedings of The 4th International Seminar on the Quality

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18. G. Condurache, **M. Pîslaru**, R. Lazarescu *PRENTEAM –a modern training instrument in european context* Proceedings of The 4th International Seminar on the Quality Management in Higher Education, 9-10 June 2006 Sinaia, Romania pg 325-330, ISBN (10):973-730-225-7 ISBN (13) 978-973-730-225-0
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20. A. Trandabat, **M. Pîslaru**, M. Branzila, C. Schreiner, C. Fosalau *Distributed measurement system dedicated to peculiar areas with increased risk for environment safety* Proceedings of the 4th International Conference on the Management of Technological Changes Chania, Greece, August 19-20, 2005, Book 2, pp. 121-124, ISBN 960-8475-05-8 (ISI Proceedings)
21. **M. Pîslaru**, A. Trandabat, C. Schreiner, R. Lazarescu *Challenges in advanced industrial process control* Proceedings of the 4th International Conference on the Management of Technological Changes Chania, Greece, August 19-20, 2005, Book 2, pp. 309-314, ISBN 960-8475-05-8
22. A. Trandabat, M. Branzila, **M. Pîslaru**, R. Ciobanu, C. Fosalau *High altitude air quality mapping system for large area using gps technology and distributed measurement system* Proceedings of the 4th International Conference on the Management of Technological Changes Chania, Greece, August 19-20, 2005, Book 1, pp. 431-434, ISBN 960-8475-04-X
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24. A. Trandabăț, **M. Pîslaru**, S. Hanganu, C. Vârgă, *Aspects related to an interactive internet based laboratory for the electrical engineering field*, Proceedings of the 9th International Conference on OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT OPTIM'04 volume IV, May 20-22, 2004, Brasov, Romania pp. 191-198, ISBN 973-635-285-4
25. **M. Pîslaru**, A. Trandabăț, C. Schreiner *Neuro-fuzzy modelling of production process* Proceedings of The 3rd International Conference on the Management of Technological Changes Chania, Greece, August 29-30, 2003, Book 1 pp.129-134 ISBN 960-8475-03-1
26. **M. Pîslaru**, C. Schreiner, A. Trandabăț, *Neuro-fuzzy applications regarding the job assignment problem in the context of economical environment variations* Proceedings of The 3rd International Conference on the Management of Technological Changes Chania, Greece, August 29-30, 2003, Book 1 pp.123-128 ISBN 960-8475-03-1
27. A. Trandabăț, **M. Pîslaru**, R. Ciobanu *Virtual instrumentation and virtual laboratories: the key for the continues personel education and training* Proceedings of The 3rd International Conference on the Management of Technological Changes Chania, Greece, August 29-30, 2003, Book 1 pp. 159-163, ISBN 960-8475-03-1
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29. Trandabat A., **Pîslaru M.**, Ciobanu R. *Neuronal prediction system of meteorological parameters for quality assurance of the traffic* IEEE SCS 2003 Proceedings of International Symposium on Signal, Circuits and Systems, Iasi, Romania, July 10-11, 2003, Proceedings Volume 2 of 2 pp. 549-552, IEE Catalog Number 03EX720, ISBN 0-7803-7979-9, Library of Congress 2003106445 ISI Proceedings Digital Object Identifier: 10.1109/SCS.2003.1227111

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1. **M. Pislaru**, L. Alexa, *Environmental management of a company based on fuzzy model*, Annals of the university of Oradea, Fascicle of Management and Technological Engineering, Issue #2, August 2016, ISSN 1583-0691, pag 67-72, DOI: 10.15660/AUOFMTE.2016-2.3243
2. C. Schreiner, R.C. Ciobanu, **M. Pislaru**, *Ecosystem Model for Environmental Applications*, International Conference on Environment, Biological and Ecological Sciences and Engineering, ICEBESE, 27-28 March, 2014, Madrid, Spain, International Science Index, Vol:8, No.3, pg. 175-179;
3. **M., Pislaru**, A., Trandabat *Fuzzy Based Environmental System Approach for Impact Assessment - Case Studies* International Conference on Environmental and Ecological Impacts (ICEEI 2012), July 11-12, Stockholm-Sweden, World Academy of Science Engineering and Technology, issue 67, pISSN 2010-376x pp.474-479, eISSN 2010-3778, pp.1134-1139. Indexed in Scientia, Excellence in Research for Australia (ERA), Google Scholar, Compendex, Scopus, WorldCat, EBSCO, GALE and Thomson Reuters
4. **M., Pislaru**, A., Trandabat, S., Curteanu *Fuzzy environmental assessment of urban areas sustainability* International Conference on Environment and Industrial Innovation (ICEII 2012) June 2-3, Hong Kong – China ISBN:978-981-07-2428-3. Volume 35 of International Proceedings of Chemical, Biological & Environmental Engineering pp. 108-113 ISSN:2010-4618. Indexed: CNKI, EBSCO, WorldCat, Google Scholar, Ulrich's Periodicals Directory, Engineering & Technology Digital Library
5. **Marius Pislaru**, Trandabat Alexandru *Assessment of company environmental impact using fuzzy logic* International Conference on Environment Science and Engineering (ICESE2012) 7-8 Aprilie, Bangkok - Thailanda ISBN: 978-981-07-1833-6. Volume 32 of International Proceedings of Chemical, Biological & Environmental Engineering pp. 97-102, ISSN:2010-4618. Indexed: CNKI, EBSCO, WorldCat, Google Scholar, Ulrich's Periodicals Directory, Engineering & Technology Digital Library
6. **M. Pislaru**, A. Trandabat *Decision suport tool based on neuro-fuzzy environmental approach* Proceedings of 2nd International Conference on Environmental Engineering and Applications (ICEEA 2011), August 19-21, 2011 Shanghai, China ISBN:978-981-08-9169-5 ISSN:2010-4618 Volume 17 of International Proceedings of Chemical, Biological & Environmental Engineering, pp 68-73 a
7. **M. Pislaru**, A. Trandabat, C. Piuleac, S. Curteanu *Fuzzy logic for environmental assessment* Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Interdisciplinary Solutions" 2010, 20-23rd October 2010, Zadar, Croatia ISSN 1726-9679, ISBN 978-3-901509-73-5 ,p.1439-1440
8. C.G. Piuleac, **M. Pislaru**, S. Curteanu *Optimization based on NN-GA technique applied to a wastewater purification process* Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Interdisciplinary Solutions" 2010, 20-23rd October 2010, Zadar, Croatia ISSN 1726-9679, ISBN 978-3-901509-73-5 - ISI Web of knowledge p.1441-1442
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10. A.M. Spiridonica, **M. Pislaru** *The use of Fuzzy Modelling Regarding the Assurance of Environmental Protection* 10th International Conference on Development and Application Systems, Suceava, Romania, May 27-29, 2010 ISSN:1844-5039, pp 69-72. (Google scholar)
11. **M. Pislaru**, A. Trandabat, C. Schreiner, A. Spiridonica *Fuzzy Model for Sustainability Assurance Related to Environmental Protection* 10th International Conference on Development and Application Systems, Suceava, Romania, May 27-29, 2010 ISSN:1844-5039, pp 116-118 (google scholar)
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13. **M. Pislaru**, A. Trandabat , M. Olariu *Neuro fuzzy system for industrial processes fault diagnosis* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania, Volume II, pp 634-639 ISBN 978-973-667-260-6 (Baza de date in care a fost indexat : SCIRUS)
14. **M. Pislaru**, A. Trandabat, S Ursache *Fuzzy expert system for power quality assessment* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania, Volume II, pp 640-643 ISBN 978-973-667-260-6 (Baza de date in care a fost indexat : SCIRUS)
15. **M. Pislaru**, C. Schreiner, A. Trandabăț, *Fuzzy model for quality and sustainability assurance related to environmental protection* International Conference Protection and Restoration of the Environment PRE VIII 3-7 July, 2006, Chania , Greece Full paper Vol. B, pp. 933-938 ISSN 1106-5516 ISBN 960-7475-33-X , (Baza de date in care a fost indexat: SR-COSMOS)
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17. **M. Pislaru**, A. Trandabăț, C. Schreiner, *Neuro-fuzzy surveillance for industrial process fault detection* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp.448-451, ISBN GEN:973-716-208-0
18. **M. Pislaru**, A. Trandabăț, C. Schreiner, *Power quality monitoring using fuzzy expert system* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp.87-90, ISBN GEN:973-716-208-0
19. **M. Pislaru**, A. Trandabăț, C. Vârgă , *Internet based distributed methods in support of remote and colaborative design*, Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 378-382, ISBN 973-666-106-7
20. A., Trandabăț, **M. Pislaru**, R., Ciobanu, *Conceptual architecture for a virtual distributed internet laboratory in engineering field* , Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 383-390, ISBN 973-666-106-

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2. **Pislaru M.**, Trandabat A., *Sustainability assurance of environment using fuzzy model* The first International Conference on Environmental Management and Technologies ICEMT 2010 1-3 November Amman Iordania, poster Session
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4. Trandabat A., **Pislaru M.**, Branzila M., *SiadEnv-Environmental friendly E-Building energy management system* The 6th International Conference on Environmental Engineering and Management, Conference Abstracts Book, 1-4 September 2011, Balatonalmadi, Hungary, pp.229-230, ISBN:978-973-7645-85-2, Ecozone Publishing House- poster presentation
5. **Pislaru M.**, Spiridonica A. M., Trandabat A. Astarastoai D., *Fuzzy logic for quality service assurance - case study* Proceedings of the 6-th International Conference on Electrical and Power Engineering - EPE 2010 28-30 October 2010 - Iasi, Romania p.352-356 ISBN vol. I : 978-606-13-0077-8
6. Trandabat A., **Pislaru M.**, Socotar Di., Aradoaei S., *Idea of an active power reduction system for office and home buildings* Proc. of the 6-th International Conference on Electrical and Power Engineering-EPE 2010 28-30 October 2010 - Iasi, Romania p.394-398 ISBN vol. I : 978-606-13-0077-8
7. Spiridonica A.M., **Pislaru M.**, Ursan G.A., Elges Astrid, *The optimization of services quality in a distribution and repairing company of hardware components based on fuzzy modeling* Proceedings of the 6-th International Conference on Electrical and Power Engineering - EPE 2010 28-30 October 2010 - Iasi, Romania p.346-351 ISBN vol. I : 978-606-13-0077-8
8. Ciurea, Rusei R., **Pislaru M.** Spiridonica A.M., *Quality management assessment regarding an enterprise* Proceedings of the 6-th International Conference on Electrical and Power Engineering - EPE 2010 28-30 October 2010 - Iasi, Romania p.358-360 ISBN vol. I : 978-606-13-0077-8
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12. Popa O., Spiridonica A., **Pislaru M.**, Rusei R *A making-decision system based on fuzzy rules for quality assurance in production process* Proceedings of SIELMEN 2009, Iasi, Romania, ISBN 978-606-520-618-2
13. Spiridonica A., **Pislaru M.**, Ciobanu R. *Applications of statistical signal processing in metrology* Proceedings of SIELMEN 2009, Iasi, Romania, pag 217-220; ISBN 978-606-520-618-2
14. **M. Pislaru**, A. Trandabat, R. Burlacu, C. Bratescu, S. Aradoaie and M. Branzila *Internet based distributed methods in support of remote and collaborative design*, Proceedings of EPE 2008, Iasi, Romania, Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 4, pp 635-642, ISSN 1223-8139

15. **M. Pîslaru**, A. Trandabat, I.Nica and S. Ursache *Fault diagnosis detection using a neuro-fuzzy system*, Proceedings of EPE 2008, Iasi, Romania, Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 3 , pp 31-36, ISSN 1223-8139
16. R. Rusei, **M. Pîslaru**, R. Ciobanu and D.Ciurea *Systems for industrial processes quality improvement* Proceedings of the 5th International Conference on Electrical and Power Engineering-EPE 2008 October 3-5; 2008, Iasi, Romania. Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 3, pag 461-466,ISSN: 1223-8139.
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18. **M. Pîslaru**, A. Trandabăț C. Schreiner, „*Quality management evaluation based on fuzzy model*” The 7th International Conference Modern Technologies in Manufacturing MteM 2005 , Cluj-Napoca , October 6-8, pp.317-320, ISBN 973-9087-83-3
19. **M. Pîslaru**, C. Schreiner, A. Trandabăț, *Expert systems for quality improvement* The 7th International Conference „ Modern Technologies in Manufacturing MteM 2005 , Cluj-Napoca , October 6-8, pp.321-324, ISBN 973-9087-83-3
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29. **M. Pîslaru**, A. Trandabăț, D.M.Trandabăț, *Internet based distributed methods in support of remote interactive laboratory-* SIMPOZIONULUI INTERNAȚIONAL AL TINERILOR CERCETĂTORI 29 – 30 aprilie 2004 Chișinău, Republica Moldova, pp. 74-76, ISBN 9975-75-239-x.
30. A.Trandabăț, **M. Pîslaru**, D.M Trandabăț, *Educational laboratory and project survey by use of web technology environment and virtual instrumentation*, SIMPOZIONULUI INTERNAȚIONAL AL TINERILOR CERCETĂTORI 29 – 30 aprilie 2004 Chișinău, Republica Moldova, pp. 71-73, ISBN 9975-75-239-x
31. **M.Pîslaru**, A. Trandabaț, C. Schreiner, *Adaptive neuro fuzzy inference system of industrial processes fault diagnosis*, Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 466-471, ISBN 973-666-106-7
32. **M. Pîslaru**, A. Trandabat, C. Schreiner, *Applications of neuro-fuzzymodels for industrial processes failure detection* 4th International Conference on Electromechanical and Power Systems SIELMEN 2003, Chișinău 26th-27th september, Proceedings volume II pp. 69-72, ISBN 9975-9771-1-1
33. A. Trandabat, **M. Pîslaru** C. Schreiner, *Distributed measurement system for meteorological parameters used to provide the training database for a weather neuronal forecasting system and for the world wide web area* 4th International Conference on Electromechanical and Power Systems SIELMEN 2003, Chișinău 26th-27th september, Proceedings volume II pp. 73-76, ISBN 9975-9771-1-1

5. Articole publicate in reviste romanesti recunoscute de CNCSIS – categoria B/B+

1. **M. Pîslaru**, A. Trandabăț, C. Schreiner *Automatic techniques for industrial process surveillance* 4th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14; 2006, Iasi, Romania , Romania.Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fascicol 5B pp 864-869, ISSN 1223-8139
2. **Pîslaru**, C. Schreiner, A. Trandabăț, *Expert fuzzy model for quality and sustainability assurance related to environmental protection* 4th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14; 2006, Iasi, Romania.Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fascicol 5B pp 858-863, ISSN 1223-8139
3. **Pîslaru M.**; Trandabăț A., Schreiner C. *Application of neuro-fuzzy algorithms for hydraulic systems fault* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 191 – 196, ISBN 1223-8139
4. **Pîslaru M.**; Trandabăț A., Schreiner C. *FUZZY EXPERT SYSTEM FOR POWER QUALITY APPLICATIONS* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 197 – 202, ISBN 1223-8139
5. Trandabăț A., **Pîslaru M.**, Ciobanu R. *VIRTUAL LABORATORY FOR POWER QUALITY ANALYSES* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi, Romania, Tomul L(LIV), Fasc. 5B, pp. 920-925, ISBN 1223-8139
6. Trandabăț A., **Pîslaru M.**, Ciobanu R. *DISTRIBUTED MEASUREMENT SYSTEM FOR POWER QUALITY SUSTENANCE* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 914 – 919, ISBN 1223-8139

6. Carti/capitole de carte publicate in edituri din tara:

1. **Pîslaru M.**, *Cercetare Operațională* (2015) ,Ed. Performantica, Iași, ISBN 978-606-685-232-6, 351 pg.
2. **Pîslaru M.**, (2015) *Managementul Producției Electrice - Note de curs* Ed. Performantica, ISBN 978-606-685-236-4, 186 pg.
3. **Pîslaru M.**, (2015) *Cercetare Operațională-Îndrumar de laborator*, Ed. Performantica, Iași, ISBN 978-606-685-234-0, 143 pg.
4. **Pîslaru M.**, Schreiner C., Trandabăț A.F. ,*Cercetări privind utilizarea modelelor neuro-fuzzy în cadrul sistemelor de asigurare a calității* 210 pg, Editura PIM ISBN 978-606-520-676-2; 2010
5. Trandabăț A. F., Schreiner C., **Pîslaru M.**, *Cercetări privind utilizarea măsurărilor distribuite în cadrul sistemelor de asigurare a calității industriale*, 201 pg, Editura PIM, ISBN 978-606-520-673-1 ;2010
6. Condurache G., **Pîslaru M.**, *Managementul producției electrice –îndrumar de laborator*,126pag, Ed. Performantica ,Iasi, 2009 ISBN 978-973-730-665-4
7. A. Albut, D.C. Daianu, V.M. Firescu, R.P. Lazarescu, **M. Pîslaru**, D. Popa, G. C. Puiu, M. Rotaru, I.M. Taucean *Intrprinderea simulata :o metoda moderna de pregatire pentru instruirea studentilor-preanteam*, 238 pag., Ed. Performantica, Iasi 2006, ISBN (10) : 973-730-196-x, ISBN (13) :978-973-730-196-3

7. Carti/capitole de carte publicate in edituri din strainatate:

1. **Pîslaru M.**, Avasilcai S., Chapter title: *Neuro-Fuzzy model related to job assignation*, Book title: *Emerging Trends in Computing, Informatics, Systems Sciences, and Engineering*, pp.927-935 Print ISBN: 978-1-4614-3557-0 Online ISBN 978-1-4614-3558-7 Series ISSN: 1876-1100, Series Volume 151 Series title: *Lecture Notes in Electrical Engineering*, Publisher: Springer New York DOI: 10.1007/978-1-4614-3558-7_79, 2013, URL http://link.springer.com/10.1007/978-1-4614-3558-7_79
2. **Pîslaru M.**, Avasilcai S., Alexa L., *Fuzzy Modelling of Customized Solutions for Corporate Performance Assessment* 22nd EBES Conference - Rome Program and Abstract Book (ISBN: 978-605-84468-9-2) capitol de carte la editura Springer Verlag (in curs de publicare)

II. Lucrari comunicate

1. la manifestari stiintifice internationale:

1. *Fuzzy logic- a practical tool for monitoring urban areas environmental performance* 17th International Multidisciplinary Scientific Geoconference; Albena; Bulgaria; 29 June 2017.
2. *Fuzzy designed system for corporate environmental impact assessment* 17th International Multidisciplinary Scientific Geoconference, SGEM 2017; Albena; Bulgaria; 29 June 2017.
3. *Innovative approach based on fuzzy modelling for ecosystems assessment* 16th International Multidisciplinary Scientific Geoconference , 2-5 November, 2016, Vienna, Austria.
4. *Assessment of Corporate Environmental Performance Based on Fuzzy Approach*, 4th international conference on environmental science and development- ICESD 2013
5. *Environmental Proactive Strategy Using Fuzzy Based Model-* International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering CISSE 2012 on-line conference CISSE 2012
6. *Fuzzy Based Environmental System Approach for Impact Assessment - Case Studies* International Conference on Environmental and Ecological Impacts (ICEEI 2012),11-12 Iulie, Stockholm-Suedia.
7. *Fuzzy environmental assessment of urban areas sustainability* International Conference on Environment and Industrial Innovation (ICEII 2012) June 2-3, Hong Kong – China.

8. *Assessment of company environmental impact using fuzzy logic* International Conference on Environment Science and Engineering (ICESE2012) 7-8 Aprilie, Bangkok – Thailanda
9. *Engineering application based on fuzzy approach* The 2011 International Conference on Fuzzy Information and engineering (ICFIE 2011) with Workshop of the 2011 4th International Conference on Machine Vision (ICMV 2011) 9-10 Decembrie, Singapore
10. *Optimization of a quality assurance process using computational techniques* Proceedings of the 7th International Conference on Management of Technological Changes (MTC 2011), September 1st-3rd, Alexandroupolis, Greece
11. *Decision suport tool based on neuro-fuzzy environmental approach* Proceedings of 2nd International Conference on Environmental Engineering and Applications (ICEEA 2011), August 19-21, 2011 Shanghai, China
12. *Environmental assessment for sustainability determination based on fuzzy logic model* Proceedings of 2nd International Conference on Environmental Science and Technology (ICEST) Volume 1, February 26-28, 2011 Singapore
13. *Fuzzy techniques for determination of environmental sustainability* International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF-01) 23-27 November 2010, Iasi, Romania, pag 58-59, ISSN 2069-2145
14. *Sustainability assurance of environment using fuzzy model* The first International Conference on Environmental Management and Technologies ICEMT 2010 1-3 November Amman Iordania, poster Session
15. *Fuzzy logic for quality service assurance - case study* Proceedings of the 6-th International Conference on Electrical and Power Engineering - EPE 2010 28-30 October 2010 - Iasi, Romania p.352-356 ISBN vol. I : 978-606-13-0077-8
16. *Fuzzy model for quality management evaluation* Proceedings of the 5th International Conference on the Management of Technological Changes Alexandroupolis, Greece August 25-26, 2007
17. *Assessment of quality management regarding engineering firm environment* Proceedings of the 5th International Conference on the Management of Technological Changes Alexandroupolis, Greece August 25-26, 2007.
18. *Neuro fuzzy system for industrial processes fault diagnosis* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania.
19. *Fuzzy expert system for power quality assessment* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania
20. *Fuzzy model for quality and sustainability assurance related to environmental protection* International Conference Protection and Restoration of the Environment PRE VIII 3-7 July, 2006, Chania , Greece
21. *A fuzzy model for environmental sustainability assurance*, RECENT PROGRESS IN COMPUTATIONAL SCIENCES AND ENGINEERING, Chania- Greece, 2006.
22. *Neuro-fuzzy modelling of production process* Proceedins of The 3rd International Conference on the Management of Technological Changes Chania, Greece, August 29-30, 2003.
23. *Neuro-fuzzy applications regarding the job assignment problem in the context of economical environment variations* Proceedins of The 3rd International Conference on the Management of Technological Changes Chania, Greece, August 29-30, 2003
24. *Aspects related to management quality assurance regarding industrial firm* Proceedings of SIELMEN 2009, Iasi, Romania.
25. *Internet based distributed methods in support of remote and collaborative design*, Proceedings of EPE 2008, Iasi, Romania
26. *Fault diagnosis detection using a neuro-fuzzy system*, Proceedings of EPE 2008, Iasi, Romania,

27. *Neuro-fuzzy surveillance for industrial process fault detection* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania
28. *Power quality monitoring using fuzzy expert system* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania
29. *Advanced control techniques for industrial processes* 5th International Conference on Electromechanical and Power Systems SIELMEN October 6-8, 2005 Chişinău, Rep. Moldova,
30. *Applications of neuro-fuzzy models for industrial processes failure detection* 4th International Conference on Electromechanical and Power Systems SIELMEN 2003, Chişinău 26th-27th September
31. *Application of neuro-fuzzy algorithms for hydraulic systems fault* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE October 7-8; 2004 Iasi Romania
32. *Fuzzy expert system for power quality applications* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE October 7-8; 2004 Iasi Romania

III. Proiecte de cercetare

1. Proiecte de cercetare castigate in calitate de director de proiect (titlu/valoarea in lei sau E dupa caz)

1. Proiect PD/CNCSIS RU_PD_627 Contract nr.51/2010 Suma aprobata: 88667 RON (1 iunie 2010 1EURO= 4.2282) Proiect PD/CNCSIS RU_PD_627 "**Dezvoltarea prin algoritmi neuro-fuzzy de solutii dedicate sistemelor de indicatori de masurare a performantei de mediu in vederea implementarii unor strategii pentru dezvoltare durabilă**", 2010-2012 Contract nr.51/2010 Valoare contract: 88667 RON=21004,05 € (1 Euro=4,2282 RON la 1.06.2010)
2. Grant TD/CNCSIS 60/2005 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calitatii industriale**", 2005-2007, Valoare contract: 29000 RON= 8007,29 (1€ = 3.6217 RON la 01.06.2005)
3. Grant TD/CNCSIS 100/2003 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calității**", 2003 - 2005, Valoare contract: 11250 RON= 2960,52 € (1 € = 3,8 RON la 01.06.2003)
4. Grant BD/CNCSIS 8/ 2003 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calității**", 2003-2006, Valoare contract: 9933 RON = 2613,95 € (1 € = 3,8 RON la 01.06.2003)

2. Proiecte de cercetare castigate in calitate de membru in echipa de cercetare (titlu/valoarea in lei sau E dupa caz)

Proiecte internationale:

1. NATO SfP983931/2011 **Sustainable management of toxic pollutants in Central Asia: towards a Regional Ecosystem Model for environmental security**", acronim SUS-CAREM, 2011-2014
2. CORINT / CNMP 132/2007 **Remote instrumentation in next-generation grids** Valoare UTI 90160 RON
3. Leonardo da Vinci RO/2004/PL93117/TD **Întreprinderea simulată: o metodă modernă de pregătire pentru instruirea studenților-PRENTTEAM**, 2006, Coordonator UTI

Proiecte naționale:

1. Proiect POSDRU/160/2.1/S/138113 **Tranziția de la școală la viața activă prin practică și crearea de întreprinderi simulate** – SIMPRACT – coordonator CNIPMMR Bucuresti (2013 – 2015) - expert pe termen lung Simulare Afaceri Suma TUIASI: 909536, Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013;
2. POSDRU/89/1.5/S/57649 **Performanță prin postdoctorat pentru integrarea in aria europeană de cercetare** (PERFORM-ERA) ID 57649, 2010-2013.
3. Program: PN-II-PT-PCCA-2013-4-1811 **E-soluții de inovare prin implicarea proactivă a clienților în crearea de valoare pentru creșterea competitivității organizaționale**(E-PICUS) 2014-2016, contract. 322/2014, Valoare UTI: 1.273.576 RON
4. Program PN-II-PT-PCCA-2011-32-0732 **Produse software bazate pe algoritmi de inteligență artificială cu aplicații în modelarea și optimizarea sistemelor chimice**, (AISoftChim), No. 23/2012, 2012-2015
5. Proiect ID-2386, PNCDI II – Program IDEI, **Dezvoltarea prin modelări neuro-fuzzy de soluții personalizate pentru sisteme de indicatori de măsurare a performanței dedicate competitivității durabile a firmei industriale antreprenoriale**, 2009 – 2011, Contract 770/2009, Valoare UTI: 353.650 RON
6. Proiect PNCDI II – Parteneriate in domeniile prioritare **Tehnici de evaluare comparativa a calificarii universitare in Romania**, 2007 – 2010, contract 91047/14.10.2007, Coordonator ASE București - membru in echipa UTI
7. PN2 Parteneriate / CNMP nr. 91-069/2007 **Parteneriat pentru cercetare de excelență în dezvoltarea aptitudinilor antreprenoriale și a capitalului uman competitiv în economia și societatea bazate pe cunoștere și inovare** Valoare UTI 960000; Proiect Complex PC 3789, PNCDI II – Program Parteneriate in domeniile prioritare 9, 2007-2010;
8. PN2 Parteneriate / CNMP 51-015/14.09.2007 **Metodologie dielectrică nedistructivă, neinvazivă, comparativă de detectare rapidă a ingredientilor cu potențial factor de risc pentru sănătate din produsele alimentare**. Valoare UTI 1050000 RON
9. CEEEX M3 / CNMP 188/2006 **Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul sistemelor virtuale si distribuite de design si management al cercetarii** , Valoare UTI 110000 RON
10. CEEEX M3 / CNMP 202/2006 **Dezvoltarea parteneriatelor C/D prin includerea excelenței românești, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecție la radiații electromagnetice în domeniul ghz** Valoare UTI 150000.00
11. PN2 Idei / CNCSIS 320/2007 **Spectroscopia dielectrica de banda larga, ca metoda comparativa, nedistructiva si neinvaziva de determinare a compusilor cu potential de risc din produsele alimentare**
12. CORINT / CNMP 115/2006 **Materiale inteligente tip chiral-fagure pentru aplicatii multisectoriale (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii speciale**. Valoare UTI 659383 RON
13. CEEEX M1/ MATNANTECH 79/2006 **Biocompozite obținute prin reciclarea deșeurilor de pet și utilizarea de derivați ligno-celulozici** Valoare UTI 720000 RON
14. CEEEX M3 / CNMP 173/2006 **FOOD-QUAL Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și siguranței alimentelor** Valoare UTI 150000 RON

15. CEEEX M3 / CNMP, 179/2006 **Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și securității alimentelor**, 200.000RON, 2006-2008.

3. Coordonare/ dezvoltare laborator/ centru cercetare

Responsabil coordonare laborator pentru înființarea Firmei simulate în cadrul proiectului POSDRU/160/2.1/S/138113 SIMPRACT - "Tranziția de la școală la viața activă prin practică și crearea de întreprinderi simulate

IV. Stagii de cercetare efectuate in strainatate

1. Stagiul de cercetare la Democritus University of Thrace – Faculty of Engineering- Department of Production Engineering and Management- Grecia Tema stagiului: *Sustainability assessment of companies in relation to the environment* Coordinator: Prof. C.D. Prodromos 15 ianuarie -15 Martie 2013 în cadrul Proiectului PERFORM-ERA
2. Stagiul de cercetare la Democritus University of Thrace – Faculty of Engineering- Department of Production Engineering and Management- Grecia tema stagiului: *Environmental performance of companies within Automotive Industry* Coordinator: Prof. C.D. Prodromos, 24 septembrie-24 Noiembrie 2012 în cadrul Proiectului PERFORM-ERA
3. Stagiul de cercetare la universitatea Beira Interi, Tema stagiului: *Soft computing techniques for modeling scenarios with increased environmental risk* Coordinator: Prof. Hugo Pedro Proença – Portugalia 15 septembrie – 15 noiembrie 2011 în cadrul proiectului PERFORM-ERA
4. University Pierre et Marie Curie- Paris, Department of Earth, Environment and Biodiversity, France., Septembrie 2010, Tema stagiului: *Conceptual framework to assess and analyze the relationships between the representative environmental indicators and their effect over the ecosystem*
5. Stagiul de pregătire la Oxford University –Computing Laboratory Oxford – Marea Britanie august-septembrie 2009 în cadrul proiectului IDEI;
6. Stagiul de pregătire la Oxford University –Computing Laboratory cu tema *Neuro-fuzzy techniques for quality assurance* Oxford – Marea Britanie august-septembrie 2007 în cadrul Grantului TD;
7. Burse pentru stagii de studii universitare și postuniversitare în străinătate, instituite prin H.G. nr. 697-1996, modificată prin H.G. nr. 533-1998 31.08.2006- 30.11.2006 Chania Creta- Grecia, Technical University of Crete- Greece
8. 6.01.2006-17.03.2006, Curs de instruire „Practice Team: A Modern Teaching Method for Student’s Training”,- PRENTEAM – „Don Calabria” Institute - Ferrara, Italia;
9. Bursă de studii și cercetare postuniversitară și postdoctorală “Nicolae Titulescu”, acordată de Guvern pentru formarea de specialiști în scopul integrării în Uniunea Europeană 10.06.2004 – 09.09.2004 Germania, Darmstadt - Technical University of Darmstadt
10. Bursa Socrates-Erasmus, 21 februarie – 7 iunie 2003, Universitatea POLITECNICO di TORINO, Dep.de Electronică, Laboratorul de Neuronica

V. Realizari de exceptie (premier, diplome speciale)

1. Distincție în cadrul colectivului de cercetare din Centrul de Cercetare de tip C „METROLOGIE ȘI SISTEME DE MĂSURARE” METROS Universitatea Tehnică „Gh. Asachi” Iași iunie 2005;

VI. Membru al asociațiilor profesionale:

- Senior Member al Asia-Pacific Chemical, Biological&Environmental Engineering Society;
- Senior Member al International Association of Computer Science and Information Technology;
- Membru al World Academy of Science, Engineering and Technology;
- Member of Balkan Environmental Association
- Membru al Asociației Managerilor și a Inginerilor Economisti din România

VII. Citari/ vizibilitate națională și internațională

- 18 Citari ISI Web of Science: http://apps.webofknowledge.com.am.e-information.ro/CitationReport.do?product=WOS&search_mode=CitationReport&SID=F5gxbaijn3Fj9ubpnU4&page=1&cr_pqid=5&viewType=summary&colName=WOS
- 27 citiri în SCOPUS : <https://www.scopus.com/record/display.uri?eid=2-s2.0-47649132301&origin=AuthorNamesList&txGid=b88c09875556dbe8871e86277d83c170> și <https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=Pislaru&st2=Marius&nlo=1&nlr=50&nls=afprfm-t&sid=8c3bfb8734dea6312c29674d6c14edb7&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22P%C3%AElaru%2c+Marius%22+26648974600%29&txGid=772fa6206b4a7727d58c7310da6ed02f>
- 59 citari Google Scholar: https://scholar.google.ro/citations?hl=ro&user=GyncpvEAAAAJ&scilu=&scisig=AMstHGOAAAAAWgm7XUe2HzhqQVqSCve4w3tO3ts2f5Bq&gmla=AJsN-F6fipnjEvIubGn8KnjoJEk6pGIHbHvUESDP504tTXNfjccrv_eKNOXxEGSp33k9zQ5aOB4XHOoFBN42HLql3coMruw2XwjuKjibDOJ9PRhXb3IvuX4vrTqpdUL5vFpu6UrI004e&sciund=9054993191171676631