



Universitatea din Craiova
Facultatea de Automatică, Calculatoare și Electronică



LISTĂ DE LUCRĂRI

Prof. dr. ing. Gheorghe-Dorin ȘENDRESCU

A1: Activitate didactică și profesională

A1.1 Cărți de autor sau capitole^[1] de specialitate la edituri cu ISBN

A1.1.1 Internaționale			
[Formule de calcul: Carte: 50 / nr. de autori sau 100 / nr. de autori ^[2] ; Capitol: (50 /4) / nr. de autori sau (100/4) / nr. de autori ^[2]]			
Nr. crt.	Lucrare publicată	Nr. autori	
1	Selișteanu, D., I.M. Popescu, E. Petre, M. Roman, D. Șendrescu , B. Popa, <i>Distributed Control, Systems for a Wastewater Treatment Plant: Architectures and Advanced Control Solutions</i> , in: Wastewater and Water Quality (Taner Yonar Ed.), Chapter 9, pp. 153-181, IntechOpen, London, UK, ISBN 978-1-78923-620-0, 2018.	6	
2	Șendrescu, D. , S. Tebbani, D. Selișteanu, <i>Bioprocesses Parameter Estimation by Heuristic Optimization Techniques</i> , in Developments in Model-Based Optimization and Control (S. Olaru, A. Grancharova, F.L. Pereira Eds.), Chapter 11, pp. 237-254, Lecture Notes in Control and Information Sciences 464, Springer, ISBN 978-3-319-26685-5, 2015. [472 de biblioteci conform WorldCat]	3	
3	Selișteanu, D., E. Petre, D. Șendrescu , M. Roman, <i>High-Gain Observers for Estimation of Kinetics in Batch and Continuous Bioreactors</i> , in: Mathematical Chemistry (W.I. Hong Ed.), Series: Chemistry Research & Appl., Chapter 5, pp. 367-416, Nova Science Publisher's, Inc., Hauppauge, New York, USA, ISBN 978-1-60876-894-3, 2010. [537 de biblioteci conform WorldCat]	4	
4	Șendrescu, D. , D. Selișteanu, E. Petre, C. Ionete, <i>Sliding Mode Observers for Rotational Robotics Structures</i> , in: Automation and Robotics (J.M.R. Arreguin Ed.), Chap. 13, pp. 223-243, In-Tech Publ., ARS, Viena, Austria, ISBN 978-3-902613-41-7, 2008.	4	

A1.1.2 Naționale			
[Formule de calcul: Carte: 50 / nr. de autori; Capitol: (50 /4) / nr. de autori]			
Nr. crt.	Lucrare publicată	Nr. autori	
1	Șendrescu Dorin , <i>Metode și algoritmi pentru identificarea parametrică a sistemelor</i> , Editura Universitaria, ISBN 978-606-14-0662-3, (222 pag.), Martie 2013.	1	
2	Șendrescu Dorin , <i>Metode integrale pentru identificarea sistemelor continue</i> , Editura Universitaria, ISBN 978-606-510-669-4, (177 pag.), Septembrie 2009.	1	

A1.2 Material didactic / Lucrări didactice publicate la edituri cu ISBN

A1.2.1 Manuale didactice			
[Formulă de calcul: 40 / nr. de autori]			
Nr. crt.	Lucrare publicată	Nr. autori	
1	Eugen Bobașu, Monica Roman, Dorin Șendrescu , <i>Identificarea sistemelor.</i> , Ed. Universitaria, Craiova, 2010, 170 pag., ISBN: 978-606-510-977-3.	3	
2	Selișteanu, D., C. Ionete, E. Petre, D. Popescu, D. Șendrescu , <i>Ghid de programare în LabVIEW. Aplicații pentru prelucrarea semnalelor</i> , Tipografia Universității din Craiova, 171 pagini, 2003.	5	
3	Ionete, C., Petre, E., Șendrescu D. , 2003, <i>Programarea în C</i> , Editura SITECH, Craiova, 272 pag., ISBN: 973-657-398-2.	3	
4	Popescu D., Șendrescu D. , <i>Realitate virtuală</i> . Editura Universitaria, Craiova, 2002, 249 pag. ISBN: 973-8043-184-4.	2	

A2: Activitatea de cercetare

A2.1 Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI [Formulă de calcul: $(25 + 30 \cdot \text{factor impact}^{[3]}) / \text{nr. autori}$]				
Nr. crt.	Lucrare publicată	Nr. autori		
1	Dan Popescu, Dorin Sendrescu and Eugen Bobasu, "Modelling and robust control of a flexible beam Quanser experiment", <i>Acta Montanistica Slovaca</i> , vol. 13, no. 1, pp. 127-135, ISSN 1335-1788, 2008, WOS:000255024300018. [ISI] (FI=1.833)	3		
2	Roman, M., E. Bobașu, E. Petre, D. Selișteanu, D. Șendrescu , "Pseudo Bond Graph Modelling of Some Prototype Bioprocesses", <i>Control Engineering and Applied Informatics</i> , Vol. 11, Issue 2, pp. 22-29, June 2009, ISSN 1454-8658, WOS:000268933600003. [ISI] (FI =1.299)	5		
3	Barbu C., Ghitulescu A., Popescu A, Petre E., Sendrescu D. , The Study of Heavy Metals Concentration on the Main Rivers from Valcea Area, <i>Asian Journal of Chemistry</i> , vol.21, nr. IV, pp. 2700-2704, 2009, WOS:000264759100023. [ISI] (FI=0.355)	5		
4	Petre, E., D. Selișteanu, D. Șendrescu , C. Ionete, "Neural networks-based adaptive control for a class of nonlinear bioprocesses", <i>Neural Computing & Applications</i> , Springer, doi:10.1007/s00521-009-0284-9, Vol. 9, Issue 2, pp. 169-178, 2010, ISSN 0941-0643, WOS:000275421900002. [ISI -Q1] (FI =5.102)	4		
5	Popescu D., Ionete C., Sendrescu D. , Roman M., Remote Quanser Experiments, <i>Elektronika ir Elektrotehnika</i> , Issue: 6 Pages: 163-166, ISSN: 1392-1215, 2010, WOS:000280221600041. [ISI] (FI=1.088)	4		
6	Monica Roman, Eugen Bobasu, Eugen Iancu and Dorin Sendrescu , On bond graph modelling of thermo-chemical processes, <i>Acta Montanistica Slovaca</i> , vol. 15, no. 1, pp. 33-37, ISSN 1335-1788, 2010, WOS:000279345600008. [ISI] (FI=1.833)	4		
7	Selișteanu, D., M. Roman, D. Șendrescu , "Pseudo Bond Graph Modelling and On-line Estimation of Unknown Kinetics for a Wastewater Biodegradation Process", <i>Simulation Modelling Practice and Theory</i> , Elsevier, doi:10.1016/j.simpat.2010.05.004, Vol. 18, Issue 9, pp. 1297–1313, October 2010, ISSN 1569-190X, WOS:000280689500010. [ISI - Q1] (FI=4.199)	3		
8	Marin, C., D. Selișteanu, D. Șendrescu , „Nonlinear identification and control of DC-DC converter based on heterogeneous approach”, <i>Revue Roumaine des Sciences Techniques, Série électrotechnique et énergétique</i> , vol. 56, no. 3, pp. 325-335, 2011, ISSN 0035-4066, WOS:000298453900009. [ISI](FI=1.114)	3		
9	Selișteanu D, Petre E, Roman M, Sendrescu D. , Estimation of kinetic rates in a baker's yeast fed-batch bioprocess by using non-linear observers, <i>Control Theory & Applications</i> , IET, 2012, 6 (2), doi: 10.1049/iet-cta.2011.0067, 2011, ISSN 1751-8644, 243 – 253, WOS:000299110800008 [ISI - Q1] (FI=3.296)	4		
10	Sendrescu Dorin , Distribution-Based Identification of Yield Coefficients in a Baker's Yeast Bioprocess, <i>Mathematical Problems in Engineering</i> , Volume 2012, Article ID 789156, ISSN: 1024-123X 21 pages doi:10.1155/2012/789156, WOS:000302689000001. [ISI] (FI=1.430)	1		
11	E. Petre, D. Selișteanu, D. Șendrescu , Adaptive and Robust-Adaptive Control Strategies for Anaerobic Wastewater Treatment Bioprocesses, <i>Chemical Engineering Journal</i> (2013), doi: http://dx.doi.org/ 10.1016/j.cej.2012.11.129, WOS:000316835600042 [ISI - Q1] (FI=16.744)	3		
12	Sendrescu Dorin , Parameter Identification of Anaerobic Wastewater Treatment Bioprocesses Using Particle Swarm Optimization, <i>Mathematical Problems in Engineering</i> , Volume 2013, Article ID 103748, 8 pages doi: doi:10.1155/2013/103748, WOS:000322465700001. [ISI] (FI=1.430)	1		
13	Mureseanu, Mihaela; Popa, Dana Elena; Buleandra, Mihaela; Sendrescu Dorin ; et al., Copper Electrochemical Detection with Hybrid Mesoporous Silica-Gly-Gly-His Modified Electrodes, <i>International Journal of Electrochemical Science</i> , Volume: 9	6		

	Issue: 9 Pages: 5035-5048 WOS:000344174000025 Published: SEP 2014. [ISI] (FI=1.629)			
14	Selişteanu, D, Şendrescu, D. , Georgeanu, V., Roman, M., Mammalian Cell Culture Process for Monoclonal Antibody Production: Nonlinear Modelling and Parameter Estimation, <i>Biomed Research International</i> , ISSN: 2314-6133, WOS:000349086600001, Published: 2015. [ISI – Q2] (FI=3.246)	4		
15	M Nicola, Ci Nicola, C Ionete, D Şendrescu , M Roman, Improved Performance for PMSM Sensorless Control Based on Robust-Type Controller, ESO-Type Observer, Multiple Neural Networks, and RL-TD3 Agent, ISSN: 1424-8220, WOS:001033128000001 . [ISI – Q2] (FI=4.10)	5		
16	Şendrescu, D. , Popescu, D., Bobaşu, E., Petre, E. Subspace identification of pure stochastic systems, <i>International Conference on Automation, Quality and Robotics, AQTR 2006</i> , pp. 37-43, May 25-28, Cluj-Napoca, 2006, ISBN 1-4244-0360-X, WOS:000241459500003.	4		
17	D. Şendrescu , E. Petre, D. Popescu, E. Bobasu, Weighted Moments Based Identification of Continuous-Time Systems, <i>7th WSEAS International Conference on System Theory and Scientific Computation (ISTASC'07)</i> , pp. 13-19, Atena, Grecia, August 24-26, 2007, ISBN: 978-960-8457-98-0, WOS:000257305100003.	4		
18	Petre, E., D. Selişteanu, Şendrescu, D. „Neural Networks Based Adaptive Control for a Class of Time Varying Nonlinear Processes”, <i>Proc. of International Conference on Control, Automation and Systems ICCAS 2008</i> , IEEE catalog. no. CFP0810D-CDR, ISBN: 978-89-93215-01-4-98560, pp. 1355-1360, October 14-17, 2008, COEX, Seoul, Korea, WOS:000266771500239.	3		
19	Şendrescu, D. , Petre, E., Bobaşu, E., Structural identifiability of some biotechnological systems, 5th WSEAS International Conference on Environment, Ecosystems and Development Location Puerto de la Cruz, SPAIN, Date DEC 14-16, 2007 WOS:000253967200010	3		
20	Selişteanu, D., E. Petre, C. Marin, D. Şendrescu , „Estimation and Adaptive Control of a Fed-batch Bioprocess”, <i>Proc. of International Conference on Control, Automation and Systems ICCAS 2008</i> , IEEE catalog. no. CFP0810D-CDR, ISBN: 978-89-93215-01-4-98560, pp. 1349-1354, October 14-17, 2008, COEX, Seoul, Korea, WOS:000266771500238.	4		
21	Şendrescu, D. , Selişteanu, D., Marin, C. „Subspace Based Identification of Unstable Systems”, <i>Proc. of the 2008 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008), THETA 16th edition</i> , IEEE Catalog no. CFP08AQT-PRT, ISBN 978-1-4244-2576-1, Tome II, pp. 153-158, May 22-25, 2008, Cluj-Napoca, Romania, WOS:000259080000023.	3		
22	Petre, E., Selişteanu, D., Şendrescu, D. , „Adaptive Control Strategies for a Class of Anaerobic Depollution Bioprocess”, <i>Proc. of the 2008 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008), THETA 16th edition</i> , IEEE Catalog no. CFP08AQT-PRT, ISBN 978-1-4244-2576-1, Tome II, pp. 159-165, May 22-25, 2008, Cluj-Napoca, Romania, WOS:000259080000024.	3		
23	Monica Roman, Eugen Bobaşu, Dorin Şendrescu , „Modeling of the Rotary Inverted Pendulum System”, <i>Proc. of the 2008 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008), THETA 16th edition</i> , IEEE Catalog no. CFP08AQT-PRT, ISBN 978-1-4244-2576-1, Tome II, pp. 141-147, May 22-25, 2008, Cluj-Napoca, Romania, WOS:000259080000021.	3		
24	Petre, E., D. Selişteanu, D. Şendrescu , C. Ionete, „Nonlinear and Neural Networks Based Adaptive Control for a Wastewater Treatment Bioprocess”, (invited paper), <i>Proc. of the 12th International Conference Knowledge-Based Intelligent Information and Engineering Systems KES 2008</i> , Part II, September 3-5, Zagreb, Croatia, (Eds. I. Lovrek, R.J. Howlett and L.C. Jain), <i>Lecture Notes in Artificial Intelligence</i> 5178, ISSN 0302-9743, ISBN: 978-3-450-85564-4, pp. 273-280, 2008, Springer-Verlag 2008, WOS:000259394400034.	4		
25	Monica Roman, Dan Selişteanu, Eugen Bobaşu, Emil Petre, Dorin Şendrescu , Bond Graph Modelling of a Wastewater Biodegradation Bioprocess, <i>Proceedings of the</i>	5		

	<i>IEEE International Conference on Automation and Logistics</i> , pp. 1501-1506, Shenyang, China August 2009, WOS:000291503401021.			
26	Dan Selișteanu, Emil Petre, Dorin Șendrescu , Monica Roman, High-Gain Observers for Estimation of Kinetics in Biological Sequencing Batch Reactors, <i>Proceedings of the IEEE International Conference on Automation and Logistics</i> , pp. 1501-1506, Shenyang, China August 2009, WOS:000291503401045.	4		
27	Petre E., D. Selișteanu, D. Șendrescu , „Direct Adaptive Control of an Anaerobic Depollution Bioprocess using Radial Basis Neural Networks”, <i>Proc. of the 14th International Conference Knowledge-Based Intelligent Information and Engineering Systems KES 2010</i> , Part II, September 8-10, 2010, Cardiff, UK, (Eds. R. Setchi, I. Jordanov, R.J. Howlett and L.C. Jain), <i>Lecture Notes in Artificial Intelligence</i> 6277, ISSN 0302-9743, ISBN 978-3-642-15389-1, pp. 234-243, Springer-Verlag 2010, WOS:000289447900024.	3		
28	Selișteanu, D, Roman, M, Petre, E , Șendrescu, D „Dynamical Sliding Mode Control for a Wastewater Treatment Bioprocess”, INTERNATIONAL CONFERENCE ON COMPUTER AND COMPUTATIONAL INTELLIGENCE (ICCCI 2011), Page59-64, Published2012, ISBN978-0-7918-5992-6, WOS:000320287300010	4		
29	D. Șendrescu , Parameter Identification of a DC Motor via Distribution Based Approach, <i>Proceedings of 17th Int'l Conference on Methods and Models in Automation and Robotics</i> , MMAR 2012, pp 17 – 22, WOS:000312660400005.	1		
30	Dan Selișteanu, Emil Petre, Dorin Șendrescu , Monica Roman, Nonlinear Indirect Adaptive Control of a Fed-Batch Fermentation Bioprocess <i>Proceedings of 17th Int'l Conference on Methods and Models in Automation and Robotics</i> , MMAR 2012, WOS:000312660400067.	4		
31	Marin, C., D. Selișteanu, D. Șendrescu , “State Blocking Systems: Modeling and behavior”, <i>Proc. of 2013 14th International Carpathian Control Conference ICC</i> , May 26-29, 2013, Rytro, Poland, pp. 232-237, ISBN 978-1-4673-4488-3, DOI:10.1109/CarpathianCC.2013.6560544, WOS:000324243800045.	3		
32	D. Șendrescu , E. Bobașu, Parameter identification of bacterial growth bioprocesses using heuristics for global optimization, <i>Proc. of 2013 17th Int. Conference on System Theory, Control and Computing ICSTCC</i> , October 11-13, 2013, Sinaia, Romania, pp. 485 - 490, ISBN 978-1-4799-2228-4, 978-1-4799-2227-7, IEEE Catalog No. CFP1336P-CDR, WOS:000330660500076.	2		
33	Roman, M., D. Selișteanu, E. Bobașu, D. Șendrescu , “Modeling of Culture Cells for Pharmaceutical Industry Applications”, <i>Proc. of 2013 17th Int. Conference on System Theory, Control and Computing ICSTCC</i> , October 11-13, 2013, Sinaia, Romania, pp. 459-464, ISBN 978-1-4799-2228-4, 978-1-4799-2227-7, IEEE Catalog No. CFP1336P-CDR, WOS:000330660500071.	4		
34	Marin, C., D. Selișteanu, D. Șendrescu , “Finite Time Response Control of State Blocking Systems”, <i>Proc. of 2013 19th International Conference on Control Systems and Computer Science CSCS</i> , May 29-31, 2013, Bucharest, Romania, pp. 10-17, ISBN 978-1-4673-6140-8, DOI:10.1109/CSCS.2013.97, WOS:000328493800002.	3		
35	Șendrescu, D. , M. Roman, D. Selișteanu, „Interactive Teaching System for Simulation and Control of Electropneumatic and Electrohydraulic Systems”, <i>Proc. of 24th EAEEIE (European Association for Education in Electrical & Information Engineering) Annual Conf.</i> , 30-31 May, 2013, Chania, Greece, pp. 151-156, DOI: 10.1109/EAEEIE.2013.6576519, ISBN 978-1-4799-0042-8, WOS:000332827800029.	3		
36	D. Șendrescu , M. Roman, Parameter identification of bacterial growth bioprocesses using particle swarm optimization, <i>Proc. of 9th Asian Control Conference (ASCC)</i> , pp. 1 – 6, ISBN: 978-1-4673-5767-8, DOI: 10.1109/ASCC.2013.6606279, Istanbul, 23-26 June 2013, WOS:000333734900290.	2		
37	Șendrescu Dorin , Selișteanu Dan, Modeling of bacterial growth bioprocesses based on heuristic optimization techniques, Published in: <i>Proc. of 16th International Carpathian Control Conference (ICCC)</i> , 2015, Date of Conference: 27-30 May 2015, Szilvasvarad, Hungary, Page(s): 470 – 474, Print ISBN:978-1-4799-7370-5, WOS:000380488000088.	2		

38	Petre, E., Sendrescu, D. , On-line Estimation and Control Strategies for a Microalgae Fermentation Continuous Process, Published in: Proc. of 16th International Carpathian Control Conference (ICCC), 2015, Date of Conference: 27-30 May 2015, Szilvasvarad, Hungary, Page(s): 470 – 474, Print ISBN:978-1-4799-7370-5, WOS:000380488000072.	2		
39	Sendrescu, D. , Petre, E., Bobașu, E., Optimal PID controller design based on Particle Swarm Optimization for bacterial growth bioprocess, Proc of. 19th International Conference on System Theory, Control and Computing (ICSTCC), 2015, 14 – 16 October, Cheile Gradistei, Romania, Pages: 237 - 242, DOI: 10.1109/ICSTCC.2015.7321299, WOS:000382384100040.	3		
40	Emil Petre; Dan Selișteanu; Dorin Șendrescu; Marian Barbu; Sergiu Caraman, An adaptive control structure for an anaerobic digestion process with unknown inputs, Published in: Proc. of 18th International Carpathian Control Conference (ICCC 2017), Date of Conference: 28-31 May 2017, Sinaia, Romania, Pages: 58 – 63, Electronic ISBN: 978-1-5090-4862-5, WOS:000426954400012.	5		
41	Dorin Șendrescu , Emil Petre; Dan Selișteanu, Nonlinear PID controller for a Bacterial Growth Bioprocess, Published in: Proc. of 18th International Carpathian Control Conference (ICCC 2017), Date of Conference: 28-31 May 2017, Sinaia, Romania, Pages: 151 - 155 Electronic ISBN: 978-1-5090-4862-5, WOS:000426954400029.	3		
42	Petre, Emil; Sendrescu, Dorin ; Selisteanu, Dan; Roman Monica, Estimation Based Control Strategies for an Alcoholic Fermentation Process with Unknown Inputs, onference: 23rd (ICSTCC) Location: Sinaia, ROMANIA Date: OCT 09-11, 2019, Pages: 224-229, Accession Number: WOS:000590181100038,	4		
43	Sendrescu Dorin, Popescu Dan, Selisteanu Dan, Chintescu Dan, Iterative Learning Control for Active Suspension System of a Railway Vehicle, 20th International Carpathian Control Conference (ICCC), DOI: 10.1109/ CarpathianCC.2019.8766005 26-29 May 2019, Wieliczka, Poland, Accession Number: WOS:000490570500029	4		
44	Sendrescu Dorin, Bujgoi Gheorghe, Iterative Learning Control for a Rotary Flexible Joint Experiment, 20th International Carpathian Control Conference (ICCC), DOI: 10.1109/ CarpathianCC.2019.8766005 26-29 May 2019, Wieliczka, Poland, Accession Number: WOS:000490570500033, ISBN:978-1-7281-0701-1	2		
45	Șendrescu, D., Dan Selisteanu, Roman Monica, Emil Petre, Iterative Learning Control of Depollution Bioprocesses, 22nd International Conference on System Theory, Control and Computing (ICSTCC) Location: Sinaia, ROMANIA Date: OCT 10-12, 2018, Pages: 207-211 , Accession Number: WOS:000465109800034,	4		
46	Petre, Emil; Selisteanu, Dan; Popescu, Dan; Sendrescu Dorin , Roman Monica, An Adaptive Control Scheme for a Lactic Acid Production Process with Unknown Inputs, Conference: 22nd International Conference on System Theory, Control and Computing (ICSTCC) Location: Sinaia, ROMANIA Date: OCT 10-12, 2018, Accession Number: WOS:000465109800062, ISBN:978-1-5386-4444-7.	5		
47	Selisteanu, Dan; Roman, Monica; Sendrescu, Dorin ; Popa Bogdan, A Distributed Control System for Processes in Food Industry: Architecture and Implementation, Conference: 19th International Carpathian Control Conference (ICCC) Location: Szilvasvarad, HUNGARY Date: MAY 28-31, 2018, Pages: 128-133, Accession Number: WOS:000439260500028, ISBN:978-1-5386-4762-2	4		
48	Șendrescu, D. Bujgoi G., Iterative Learning Control for a Rotary Flexible Joint Experiment, Proc. of 20th International Carpathian Control Conference (ICCC) 2019, Location POLAND, MAY 26-29, 2019, ISBN978-1-7281-0701-1, WOS:000490570500033	2		
49	D. Sendrescu , D. Popescu, E. Petre, D. Selișteanu and D. Chintescu, "Iterative Learning Control for Active Suspension System of a Railway Vehicle," <i>2019 20th International Carpathian Control Conference (ICCC)</i> , Krakow-Wieliczka, Poland, 2019, pp. 1-5, doi: 10.1109/CarpthianCC.2019.8765920, ISBN 978-1-7281-0701-1 WOS:000490570500029.	5		
50	E. Petre, D. Sendrescu , D. Selișteanu and M. Roman, "Estimation Based Control Strategies for an Alcoholic Fermentation Process with Unknown Inputs," <i>2019 23rd International Conference on System Theory, Control and Computing (ICSTCC)</i> , Sinaia, Romania, 2019, pp. 224-229, doi: 10.1109/ICSTCC.2019.8885480, WOS:000590181100038, ISBN978-1-7281-0699-1, ISSN2372-1618.	4		
51	G. Bujgoi and D. Sendrescu , "Intelligent Control of a Permanent Magnet DC Motor," <i>2021</i>	2		

	22nd International Carpathian Control Conference (ICCC), Velké Karlovice, Czech Republic, 2021, pp. 1-5, doi: 10.1109/ICCC51557.2021.9454643, WOS:000948184600009, ISBN 978-1-7281-8609-2			
52	G. Bujgoi, D. Sendrescu and D. Gagiu, "Reinforcement Learning for the Control of Bacterial Growth Bioprocess," 2021 25th International Conference on System Theory, Control and Computing (ICSTCC), Iasi, Romania, 2021, pp. 525-529, doi: 10.1109/ICSTCC52150.2021.9607291, WOS:000859487900086, ISBN 978-1-6654-1496-8, ISSN 2372-1618.	3		
53	M. -B. Simion, D. Selişteanu and D. Şendrescu , "Classifying Mechanical Vibrations using Artificial Neural Networks and Quantum Angle Encoding," 2022 23rd International Carpathian Control Conference (ICCC), Sinaia, Romania, 2022, pp. 319-323, doi: 10.1109/ICCC54292.2022.9805920, WOS:000925203600057 ISBN 978-1-6654-6636-3.	3		
54	G. Bujgoi and D. Sendrescu , "DC Motor Control based on Integral Reinforcement Learning," 2022 23rd International Carpathian Control Conference (ICCC), Sinaia, Romania, 2022, pp. 282-286, doi: 10.1109/ICCC54292.2022.9805935, WOS:000925203600050, ISBN 978-1-6654-6636-3.	2		
55	B. Popa, I. -M. Popescu, D. Şendrescu and A. E. Lorincz, "Real-time Processing of Signals using Parallel Development Technology," 2022 23rd International Carpathian Control Conference (ICCC), Sinaia, Romania, 2022, pp. 76-81, doi: 10.1109/ICCC54292.2022.9805973, WOS:000925203600014 ISBN978-1-6654-6636-3.	4		

A2.2 Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI) ^[4] [Formulă de calcul: 20/nr. autori]

Nr. crt.	Lucrare publicată	Baza de date		
1	Dorin Sendrescu , Nonlinear Identification of a Rotary Flexible Joint Experiment, <i>Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics</i> , ISSN:1841-0626, 2010, Vol. 7(34), no. 2, pp. 66-71	[SCOPUS]		
2	Selişteanu, D., C. Marin, E. Petre, D. Şendrescu , "Nonlinear Observers for the Estimation of Kinetic Parameters in an Alcoholic Fermentation Bioprocess", <i>International Review of Automatic Control</i> , Vol. 4, no. 1, pp. 124-132, January 2011, ISSN 1974-6059.	[SCOPUS]		
3	Roman, M., E. Bobașu, D. Selişteanu, D. Şendrescu , "Bond Graph Modelling of Chemical Reaction Based Processes", <i>International Review on Modelling and Simulations</i> , Vol. 3, No. 1, pp. 108-115, February 2010, ISSN 1974-9821.	[SCOPUS]		
4	Şendrescu Dorin , Parameter identification of a DC motor via distribution based approach, <i>International review on automatic control (IREACO)</i> , Noiembrie 2012, 10 pg.	[SCOPUS]		
5	Şendrescu Dorin , DC motor identification based on distributions method, <i>Annals of the University of Craiova, Series: AUTOMATION, COMPUTERS, ELECTRONICS and MECHATRONICS</i> , pg. 41 - 49, Vol. 1, 2012.	[SCOPUS]		
6	Dorin Sendrescu, Parameter Identification of a Class of Bioprocesses using Particle Swarm Optimization, <i>International Review on Modelling and Simulations (IREMOS)</i> , vol. 6, no. 1, ISSN 1974 -9821, pp. 263 – 269, February 2013.	[SCOPUS]		
7	Petre, E., D. Selişteanu, D. Şendrescu , C. Ionete, „Nonlinear and Neural Networks Based Adaptive Control for a Wastewater Treatment Bioprocess”, <i>Proc. of the 12th International Conference Knowledge-Based Intelligent Information and Engineering Systems KES 2008</i> , Part II, September 3-5, Zagreb, Croatia, (Eds. I. Lovrek, R.J. Howlett and L.C. Jain), 2008.	[BLD - pringerLin]		
8	Petre, E, Selişteanu D., Şendrescu, D. „Neural Networks Based Adaptive Control for a Class of Uncertain Nonlinear Processes”, <i>ICROS-SICE International Joint Conference 2009</i> , ISBN 978-960-6766-20-6, pp. 5172-5177, August 18-21, 2009, Fukuoka, Japonia.	[IEEE Xplore]		

9	Selisteanu D., Petre, E, Marin C., Şendrescu, D. „High-Gain Observers for Estimation of Kinetics in a Nonlinear Bioprocess”, <i>ICROS-SICE International Joint Conference 2009</i> , ISBN 978-960-6766-20-6, pp. 5172-5177, August 18-21, 2009, Fukuoka, Japonia	[IEEE Xplore]		
10	Roman, M., D. Selişteanu, E. Bobaşu, Şendrescu D. , “Bond Graph Modeling of a Baker’s Yeast Bioprocess”, <i>Proc. of IEEE International Conference on Modelling, Identification and Control ICMIC 2010</i> , IEEE Catalog No.: CFP1090K-CDR, ISBN 978-0-9555293-3-7pp. 82-87, July 17-19, 2010, Okayama, Japan. [Conf. IEEE , IEEE Xplore]	[IEEE Xplore]		
11	Ionete C., Şendrescu D. , Popescu D., Ionete A., Ethernet for Networked Control. An experimental test bench., <i>Proc. of SICE – Society of Instrument and Control Engineers - Annual Conference 2010</i> , IEEE catalog No. CFP10765-DVD, ISBN 978-4-907764-35-7, pp. 3556-3559, August 18-21, 2010, Taipei, Taiwan. [Conf. IEEE , IEEE Xplore]	[IEEE Xplore]		
12	Şendrescu, D. , Marin, C., Petre, E., Popescu, D., Nonlinear Identification of a Rotating Flexible Beam, <i>Proc. of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2010), THETA 17th edition</i> , IEEE Catalog No.: CFP10AQT-CDR, ISBN 978-1-4244-6722-8, Tome I, pp. 180-185, May 28-30, 2010, Cluj-Napoca, Romania. [IEEE Xplore]	[IEEE Xplore]		
13	Şendrescu, D. , M. Roman, C. Marin, E. Bobaşu, D. Selişteanu, „Off-line Identification of Yield Coefficients in a Baker’s Yeast Bioprocess”, <i>Proc. of 29th Chinese Control Conference</i> , IEEE catalog No. CFP1040A-CDR, ISBN 978-7-89463-104-6, pp. 1254-1260, July 29-31, 2010, Beijing, China. [IEEE Xplore]	[IEEE Xplore]		
14	Şendrescu, D. , „Nonlinear Model Predictive Control of a Depollution Bioprocess”, <i>Proc. of Third Pacific-Asia Conf. on Circuits, Communications and System PACCS 2011 - China (and ICOICC 2011 - Thailand)</i> , IEEE Catalog Number: CFP1153G-ART, ISBN: 978-1-4577-0855-8, vol. 1, pp. 1-4, May 27-28, 2011, [IEEE Xplore]	[IEEE Xplore]		
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16	Şendrescu, D. , Dan Popescu, Emil Petre, Eugen Bobasu, Dan Selisteanu, Nonlinear Model Predictive Control of a Lipase Production Bioprocess, <i>Proc. of 2011 12th International Carpathian Control Conference (ICCC)</i> , IEEE Catalog Number: CFP1142L-CDR, ISBN 978-1-61284-359-9, pp. 341-345, May 25-28, 2011, Velké Karlovice, Czech Republic. [IEEE Xplore]	[IEEE Xplore]		
17	Şendrescu, D. , Emil Petre, Dan Popescu, Monica Roman, “Neural Network Model Predictive Control of a Wastewater Treatment Bioprocess”, (invited paper), <i>Proc. of 3rd International Conference on Intelligent Decision Technologies (IDT 2011)</i> , July 20-22, 2011, Piraeus, Greece [SpringerLink]	[IEEE Xplore]		
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20	Selişteanu D., M. Roman, E. Petre, D. Şendrescu , „Nonlinear Control of a Wastewater Treatment Process inside a Biological Sequencing Batch Reactor”, <i>Proc. of Third Pacific-Asia Conf. on Circuits, Communications and System PACCS 2011 - China (and ICOICC 2011 - Thailand)</i> , IEEE Catalog Number: CFP1153G-ART, ISBN: 978-1-4577-0856-5, vol. 1, 4p., May 27-28, 2011, Bangkok, Thailand. [IEEE Xplore]	[IEEE Xplore]		
21	Petre E., D. Şendrescu , D. Selişteanu, “Neural Networks Based Model Predictive Control for a Lactic Acid Production Bioprocess”, (invited paper), <i>Proc. of the 15th International Conference Knowledge-Based Intelligent Information and Engineering Systems KES 2011</i> , Part IV, September 12-14, 2011 [SpringerLink]	SpringerLink]		
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24	Bobașu, E., D. Selișteanu , D. Popescu, D., Șendrescu, „Nonlinear algorithms for the adaptive control of a handling crane“, <i>WSEAS Transactions on Systems</i> , Vol. 4, Issue 10, October 2005, pp. 1642-1649, ISSN: 1109-2777.	Scopus		
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26	Marin, C., D. Selișteanu , D. Șendrescu, V. Fincă, R. Zglimbea, „A unified approach of nonlinear systems identification in generalized Fock spaces“, <i>Proc. of 21st IASTED Int. Conference on Modelling and Simulation MS 2010</i> , ISSN 1021-8181, ISBN 978-088986852-6, pp. 193-199, July 15-17, 2010, Banff, Canada.	Scopus		
27	Petre E., D. Selișteanu , D. Șendrescu, „A Multivariable Adaptive Control Strategy for a Recycled Depollution Bioprocess“, <i>Proc. of SICE – Society of Instrument and Control Engineers - Annual Conf. 2010</i> , IEEE catalog No. CFP10765-DVD, ISBN 978-4-907764-35-7, pp. 3461-3466, August 18-21, 2010, Taipei, Taiwan.	IEEE Xplore		
28	Petre E., D. Selișteanu , D. Șendrescu, „Adaptive Control of a Time Delay Bioelectrochemical Process Using Neural Networks“, <i>Proc. of 2010 IEEE Int. Conf. on Automation and Logistics ICAL</i> , IEEE catalog No. CFP10CAL-USB, ISBN 978-1-4244-8374-7, pp. 335-340, Aug. 16-20, 2010, Hong Kong.	IEEE Xplore		
29	Petre, E., D. Selișteanu , D. Șendrescu, „An Indirect Adaptive Control Strategy for a Lactic Fermentation Bioprocess“, <i>Proc. IEEE Int. Conf. Autom., Quality & Testing, Robotics AQTR 2010, THETA 17th edition</i> , ISBN 978-1-4244-6722-8, Tome I, pp. 175-180, May 28-30, 2010, Cluj-Napoca, Romania.	IEEE Xplore		
30	Marin, C., D. Selișteanu , D. Șendrescu, V. Fincă, R. Zglimbea, „Continuous time nonlinear systems identification in real generalized Fock space“, <i>Proc. Int. Joint Conf. on Comput. Cyber. & Technical Inf. ICC-CONTI</i> , ISBN 978-1-4244-7432-5, pp. 23-30, May 27-29, 2010, Timișoara, Romania.	IEEE Xplore		
31	Marin, C., D. Selișteanu , D. Șendrescu, R. Zglimbea, V. Fincă, „Controller Design in Time Delay Systems Based on Shape Coefficients Method“, <i>Proc. of 8th IFAC Workshop on Time Delay Systems TDS</i> , p. 44, Sept. 1-3, 2009, Sinaia, Romania.	Scopus		
32	Sendrescu D. , Bujgoi G., Control of a Rotary Flexible Joint Experiment based on Reinforcement Learning, 21th International Carpathian Control Conference (ICCC) 27-29, October 2020, Slovak Republic	Scopus		
33	D. Sendrescu , G. Bujgoi and D. Chintescu, "Control of a Rotary Flexible Joint Experiment based on Reinforcement Learning," <i>2020 21th International Carpathian Control Conference (ICCC)</i> , High Tatras, Slovakia, 2020, pp. 1-5, doi: 10.1109/ICCC49264.2020.9257295.	IEEE xplore		
34	M. -. Bebe Simion, D. Selișteanu and D. Șendrescu , "DC Motor Control using Hand Gestures," <i>2020 24th International Conference on System Theory, Control and Computing (ICSTCC)</i> , Sinaia, Romania, 2020, pp. 149-153, doi: 10.1109/ICSTCC50638.2020.9259669.	IEEE xplore		
35	M. Nicola, C. -I. Nicola, C. Ionete, D. Sendrescu and M. Roman, "Improved Performance for PMSM Control Based on Robust Controller and Reinforcement Learning," <i>2022 26th International Conference on System Theory, Control and Computing (ICSTCC)</i> , Sinaia, Romania, 2022, pp. 207-212, doi: 10.1109/ICSTCC55426.2022.9931844., ISBN 978-1-6654-6746-9	IEEE xplore		

A2.3 Proprietate intelectuală, brevete de invenție, certificate ORDA

A2.3.1 Brevete de invenție, certificate ORDA - naționale [Formulă de calcul: 25 / număr de autori]	
Nr. crt.	Brevet/certificat
1	<i>Method for Detecting and Localizing Defects in Sensors used for Controlling Brushless DC Motors</i> , Patent Number: RO132063-A2, 28 July 2017, Inventors: E. Iancu, E.Bobașu, D. Selișteanu, D.

	Șendrescu, C. Antonie , Patent Assignee Name and Code: NEXTROM IND SRL, Derwent Primary Accession Number: 2017-51674H.	
2	<i>Method for Estimating Parameters of Brushless DC Motors Consists in Estimating the Parameters as an Optimization Solved by Means of Algorithm</i> , Patent Number: RO131666-A2, 30 January 2017, Inventors: D. Șendrescu , I. Ivanov, D. Selișteanu, E. Petre, E. Bobașu, M. Meche, C. Antonie, Patent Assignee Name & Code: NEXTROM IND SRL, Derwent Primary Accession No. 2017-08360P	

A2.4. Granturi / proiecte de cercetare câștigate prin competiție ^[6]

A2.4.1.2 Naționale (Director/responsabil) [Formulă de calcul: 10*ani de desfășurare]		
Nr. crt.	Grant/proiect	
1	<i>Modelarea și identificarea proceselor biotehnologice interconectate</i> , Contract PN II - RU, Programul: RESURSE UMANE , Tipul proiectului: Proiecte de cercetare pentru stimularea constituirii de tinere echipe de cercetare independente, Cod CNCIS TE 106, 2010 - 2013, Universitatea din Craiova - UEFISCSU, nr. înreg. Univ. Craiova 22C/28.07.2010, nr. înreg. UEFISCSU 9/04.08.2010, valoare 370.000 Lei	
2	<i>Sistem avansat de monitorizare și control pentru vehicule feroviare – Contract subsidiar de cercetare industrială în colaborare efectivă între organizația de cercetare și întreprindere</i> , Contract nr 224/ 18.04.2018 valoare contract: 850.000 lei (contract subsidiar al proiectului <i>Cercetări și transfer de cunoștințe în domeniul tehnologiilor și instrumentelor software pentru informatizarea proceselor industriale – TISIPRO</i> , Univ. din Craiova, Parteneriat pentru transfer de cunoștințe, POC (Programul Operațional Competitivitate), ID / Cod My SMIS: P_40_416 / 105736, nr. contract: 61/2016, 2016-2021).	

A2.4.2.1 Internaționale (Membru în echipă) [Formulă de calcul: 4*ani de desfășurare]		
Nr. crt.	Grant/proiect	
1	<i>Predictive and adaptive control of bioprocesses. Modelling, identification, control applications for interconnected bioprocesses – PACBIO</i> , contract de cercetare bilateral "Brâncuși" România – Franța, 2013-2014, Contract PNCDI II Capacități, Modulul III, contract nr. 701/17.04.2013, parteneri: Universitatea din Craiova, Univ "Dunărea de Jos" din Galați, <i>România</i> , Ecole Supérieure d'Electricite SUPELEC, Gif-sur-Yvette, <i>Franța</i> ; responsabil D. Selișteanu	
2	<i>Predictive and cooperative control of complex systems PREDICT</i> , contract de cercetare bilateral "Brâncuși" România – Franța, 2009-2010, PNCDI II Capacități, Modulul III, contract nr. 306/27.04.2009, parteneri: Univ. Craiova, Univ. Tehnică "Gh. Asachi" Iași, România, Ecole Sup. d'Electricite SUPELEC, Gif-sur-Yvette, <i>Franța</i> ; responsabil V. Răsvan.	
3	<i>Research concerning the sharing of educational resources via Internet</i> , Contract de cercetare bilateral România – China, 2009-2010, Contract PNCDI II Capacități, Modulul III, nr. ANCS 39-3/2008, parteneri: Univ. Craiova, România, Tianjin Univ., China; responsabil - D. Popescu.	
4	<i>ECO-NET DIE: Dynamique – Interconnexions – Environnement</i> , contract de cercetare internațională no. 12645SD, Egide, Franța, 2006-2007, parteneri: Heudiasyc, Compiègne, LMAC, LAAS, Toulouse, IRCCYN, Nantes, Université de Craiova, Université Polytechnique Bucarest, Institut de Mathématiques de l'Académie Roumaine, Bucarest, Univ. T. Bata Zlin (Republica Cehă), Univ. Miskolc (Ungaria); responsabil Craiova - V. Răsvan.	

A2.4.2.2 Naționale (Membru în echipă) [Formulă de calcul: 2*ani de desfășurare]		
Nr. crt.	Grant/proiect	
1	<i>CERT ENTTRUST – Soluții și tehnologii inovative bazate pe servicii SAAS (software as a service) pentru întreprindere digitală</i> , SC Centrul de Calcul SA (CCTJ-Lider), Târgu Jiu, Univ. din Craiova (UCV-partener), Programul Operațional Competitivitate, Cod apel: POC/163/1/3/Stimularea cererii întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individual	

	sau în parteneriat cu institute de CD și universități, în scopul inovării de procese și de produse în sectoarele economice care prezintă potențial de creștere, Tip proiect – Proiect tehnologic inovativ – REGIUNI MAI PUȚIN DEZVOLTATE, Contract de finanțare: 396/390072/20.10.2021, 2021-2023, Cod SMIS 2014+: 120269, director UCv: Ion Marian Popescu.		
2	<i>Sisteme de conducere avansată a unor bioprocese din industria alimentară (ADCOSBIO)</i> , PN-II-PT-PCCA-2013-4-0544, PNCDI II, Parteneriate – PCCA, contract nr. 211/2014, 2014-2017, coordonator Univ. Craiova, nr. înreg. UCV 66C/2014, parteneri: S.C. Moara Calafatului SRL, Univ. Politehnica Timișoara, Univ. „Dunărea de Jos” din Galați.		
3	<i>Dezvoltarea de modele și metode de identificare și conducere a sistemelor biotehnologice și biologice</i> , Contract PNCDI II, Programul: IDEI, Tipul proiectului: Proiecte de cercetare exploratorie, Cod CNCIS ID 548, 2009-2011, Universitatea din Craiova - UEFISCSU, nr. înreg. Univ. Craiova 61C/23.12.2008, nr. înreg. CNCIS 720/23.12.2008.		
4	<i>Metode moderne de conducere adaptivă, vibrațională și alunecătoare a sistemelor neliniare. Aplicații la bioprocese de depoluare</i> , 2005-2006, beneficiar Ministerul Educației și Cercetării, nr. 27661/14.03.2005, Cod CNCIS 90, Tema 17, act ad. 17C/2006, Cod CNCIS 90, Tema 28.		
5	<i>Tehnologie informațională pentru achiziția, prelucrarea paralelă, sincronizată și în timp real a unor semnale de vibrații, folosind tehnologia FPGA (TIAVIB)</i> , Univ. din Craiova, Programul: Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare, Cecuri de inovare PN-III-P2-2.1-CI-2017-0167, Nr. 116CI/2017, Nr. Univ. Craiova: 21C/25.08.2017, 2017, director: Ion Marian Popescu.		
6	<i>Sistem de conducere avansată a unei instalații de tip biorafinării (BIOCON)</i> , PN-II-PT-PCCA-2013-4-0070, PNCDI II, Parteneriate – PCCA, contract nr. 269/2014, 2014-2017, coordonator Univ. „Dunărea de Jos” din Galați, partener P1 Univ. din Craiova, responsabil UCv: E. Petre		
7	<i>Cercetare industrială și dezvoltare experimentală vehicule acționate cu motoare electrice fără perii alimentate cu acumulatori litiu-ion pentru transport persoane - GENTLE ELECTRIC</i> , Program POS CCE / Apel nr. 1 / Axa prioritară 1, Polul de competitivitate “Automotive Sud-Vest Oltenia”, Proiectul nr. P09004/ 08.05.2013, cod SMIS 50140, 2014-2015, coordonator SC NEXTROM INDUSTRIES SRL, partener Universitatea din Craiova, responsabil UCv: S. Enache.		
8	<i>Metode și algoritmi de identificare a sistemelor neliniare în timp continuu</i> , Contract PNCDI II, Programul: IDEI, Tipul proiectului: Proiecte de cercetare exploratorie, Cod CNCIS ID 786, 2007-2010, Universitatea din Craiova - UEFISCSU, nr. înreg. Univ. Craiova 66C/08.10.2007, nr. înreg. UEFISCSU 358/08.10.2007, director: C. Marin.		
9	<i>Sisteme integrate de conducere în timp real în rețea a proceselor – SICOTIR</i> , Contract PNCDI II, Programul: Parteneriate în domenii prioritare, 2007-2010, nr. înreg. CNMP 05D7/18.09.2007, nr. înreg. UCV 58C/14.09.2007, Univ. din Craiova - MECT – CNMP, (parteneri Univ. Politehnică din Timișoara, Univ. Tehnică Cluj-Napoca, S.C. Elprest SRL Craiova), director: C. Ionete.		
10	<i>Reglarea neliniară robustă a coloanelor de separare criogenică a izotopului 13C</i> , Contract PNCDI II (Parteneriat), 2007-2010, nr. 71023/18.09.2007, coordonator Univ. Tehnică Cluj-Napoca, Univ. Craiova – partener, nr. înreg. UCV 783/18.09.2007, responsabil UCv: Dan Popescu.		
11	<i>Proceduri avansate de modelare, identificare și conducere neliniară a proceselor biochimice și biotehnologice pentru îmbunătățirea calității apei</i> , Contract nr. 29C/08.05.2007, Cod CNCIS 621, Tema 13, 2007-2008, director: E. Petre.		
12	<i>Îmbunătățirea indicatorilor calitativi la tratarea biologică a apelor reziduale din industria alimentară pe baza unor sisteme de conducere avansată - APEPUR</i> , Contract de Excelență CEEX 2006-2008, MENER nr. 717/P1/2006, modulul I, (Univ. „Dunărea de Jos” din Galați, Univ. Craiova etc.), director: S. Caraman, responsabil Craiova: E. Petre.		
13	<i>Sistem de analiză și calcul a semnalelor din rețele electrice poluate și comandă a filtrelor active pentru compensarea armonicilor - SACSCFA</i> , Contract de Excelență CEEX 4049/2006, program Cercetare de excelență, modulul I, contractor ICMET Craiova (Responsabil proiect Universitatea din Craiova: Dan Popescu), 2006-2008.		
14	<i>Prevenirea cuplajelor pilot-elicopter (om-mașină) în manevre critice la bordul navelor și platformelor marine - ELICOMNAV</i> , Contract de Excelență CEEX, modulul I, nr. 449/06.11.2006, contractor SC STRAERO S.A. București, subcontract Univ. Craiova nr. 259/26.07.2006 (Responsabil proiect UCv: Dan Popescu), 2006-2008.		
15	<i>Partajarea resurselor de instruire și de cercetare - PRIC</i> , Contract de Excelență CEEX 2005 – 2008 (Universitatea din Craiova, Universitatea “Politehnica” București, Universitatea Tehnică “Gh. Asachi” din Iași, Univ. “Dunărea de Jos” din Galați, Centrul de Cercetare CIMR - București), cod PC-D03-PT13-513, CEEX 24/I03, nr. 50C/2005, modulul I, director Mircea Ivănescu.		

16	<i>Sisteme disipative. Analiză și sinteză</i> , 2004-2006, beneficiar Ministerul Educației și Cercetării, nr. contract 33062/2004, cod CNCIS 279, Tema 13, nr. contract 34677/2005, CNCIS 279, act adițional 17C/2006, cod CNCIS 279, Tema 26, director: V. Răsvan		
17	<i>Metode evoluate de conducere neliniară a proceselor biotehnologice pentru depoluarea mediului</i> , 2004-2005, beneficiar Ministerul Educației și Cercetării, nr. contract 33062/2004, Cod CNCIS 317, Tema 9, nr. contract 34677/2005, Cod CNCIS 317, director: E. Petre.		

A3: Recunoașterea și impactul activității

Peste 250 se citări (Impact: h-index = 8 (ISI WoS), h-index = 10 (Scopus), h-index = 12 (Google Scholar))

A3.2 Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI

Nr. crt.	Denumire
1	17th International Conference on System Theory, Control and Computing ICSTCC (Joint conference of SINTES 17, SACCS 13, SIMSIS 17), October 11-13, 2013, Sinaia, Romania (Comitetul de organizare) [ISI Proc.]
2	20th International Conference on System Theory, Control and Computing ICSTCC (Joint conference of SINTES 20, SACCS 16, SIMSIS 20), October 11-13, 2013, Sinaia, Romania (Comitetul de organizare) [ISI Proc.]
3	18th International Carpathian Control Conference - ICC'2017, May 28-31, 2017, Sinaia, Romania (Publication chair) [ISI Proc.]
4	20th International Conference on System Theory, Control and Computing ICSTCC (Joint conference of SINTES 20, SACCS 16, SIMSIS 20), October 11-13, 2020, (Comitetul de organizare) [ISI Proc.]
5	23rd INTERNATIONAL CARPATHIAN CONTROL CONFERENCE - ICC'2022, May 29- June 1, 2022, Sinaia, Romania (Publication chair) [ISI Proc.]

A3.3 Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI ^[4]

Nr. crt.	Denumire
1	8th IFAC (International Federation of Automatic Control) Workshop on Time Delay Systems TDS'2009, Sept. 01-03, 2009, Sinaia, România (Comitetul de organizare) [IFAC PapersOnline, Scopus]
2	14th International Conference on System Theory and Control, Joint Conference SINTES 14, SACCS 10, SIMSIS 14, October 17 - 19, 2010, Sinaia, Romania (Comitetul de organizare) [INSPEC]