

Data: 23.11.2020

Facultatea: CIBERNETICĂ, STATISTICĂ ȘI INFORMATICĂ ECONOMICĂ  
 Departamentul: INFORMATICĂ ȘI CIBERNETICĂ ECONOMICĂ  
 Domeniul științific: ȘTIINȚE ECONOMICE ȘI ADMINISTRAREA AFACERILOR

### LISTA DE LUCRĂRI

BĂRA G.Adela – Dr. din 6.08.2007

#### 1. Teza de doctorat

<b>T1</b>	<b>Băra Adela - “Soluții informatice pentru managementul strategic”</b> , Conducător științific: Prof.univ.dr. Ion Lungu, specializarea Informatică Economică, Facultatea de Cibernetică, Statistică și Informatică Economică, ASE București, martie 2007
-----------	---

**2. Cărți/cursuri** publicate în edituri recunoscute(Ca1, Ca2 etc.), îndrumare publicate(I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții a dezvoltarea activităților didactice/profesionale.

1	Adela Băra, Iuliana Botha, Anca Fodor, Ion Lungu, Simona Vasilica Oprea - SGBD - Introducere in limbajul SQL, Editura ASE, 2017, 250 pagini
2	Ion Lungu (coord.), Adela Băra, Anca Andreescu, Anda Belciu, Constanța Bodea, Iuliana Botha, Vlad Diaconița, Alexandra Florea – Tratat de baze de date. Vol II. Sisteme de gestiune a bazelor de date, Editura ASE, București, 2015, ISBN 978-606-505-472-1 / 978-606-505-481-3 ISBN vol.2, 380 pagini
3	Ion Lungu (coord.), Adela Băra, Constanța Bodea, Iuliana Botha, Vlad Diaconița, Alexandra Florea, Anda Velicanu – Tratat de baze de date. Vol I. Baze de date. Organizare, proiectare și implementare, Editura ASE, București, 2011, ISBN 978-606-505-472-1 / 978-606-505-481-3 ISBN vol.1, 540 pagini
4	Băra Adela, Botha Iuliana, Diaconița Vlad, Lungu Ion, Velicanu Anda – “Baze de date. Limbajul PL/SQL”, Editura ASE, 2009, ISBN 978-973-594-975-4, 302 pagini, din care 101 pagini contributie proprie; <a href="http://opac.biblioteca.ase.ro/opac/bibliographic_view/165885;jsessionid=047786E116BE377EE665AD678B7169D3">http://opac.biblioteca.ase.ro/opac/bibliographic_view/165885;jsessionid=047786E116BE377EE665AD678B7169D3</a> ; <a href="http://www.editura.ase.ro/Carte/Baze-de-date---limbajul-PL-SQL-/">http://www.editura.ase.ro/Carte/Baze-de-date---limbajul-PL-SQL-/</a>
5	Velicanu Manole, Lungu Ion, Botha Iuliana, Băra Adela, Velicanu Anda, Rednic Emanuil – “Sisteme de baze de date evaluate”, Editura ASE, 2009, ISBN 978-606-505-217-8, 430 pagini, din care 71 pagini contributie proprie; <a href="http://www.editura.ase.ro/Carte/Sisteme-de-baze-de-date-evaluate/">http://www.editura.ase.ro/Carte/Sisteme-de-baze-de-date-evaluate/</a>
6	Lungu Ion, Băra Adela, Mihai Andronie – “Administrarea bazelor de date”, Editura ASE, București 2008, ISBN 978-606-505-071-6, 191 pagini, din care 67 pagini contributie proprie; <a href="http://opac.biblioteca.ase.ro/opac/search?q=Administrarea+bazelor+de+date&amp;max=&amp;view=&amp;sb=&amp;ob=&amp;level=all&amp;material_type=all&amp;location=;">http://opac.biblioteca.ase.ro/opac/search?q=Administrarea+bazelor+de+date&amp;max=&amp;view=&amp;sb=&amp;ob=&amp;level=all&amp;material_type=all&amp;location=</a> ; <a href="http://www.editura.ase.ro/Carte/Administrarea-bazelor-de-date/">http://www.editura.ase.ro/Carte/Administrarea-bazelor-de-date/</a>
7	Lungu Ion, Bologa Ana-Ramona, Diaconița Vlad, Băra Adela, Botha Iuliana – “Integrarea sistemelor informatice”, Editura ASE, București 2007, ISBN 978 – 973 – 594 – 690 – 6, 302 pagini, din care 101 pagini contributie proprie; <a href="http://opac.biblioteca.ase.ro/opac/search?q=Integrarea+sistemelor+informatice&amp;max=0&amp;view=&amp;sb=relevanc&amp;ob=asc&amp;level=all&amp;material_type=all&amp;location=0">http://opac.biblioteca.ase.ro/opac/search?q=Integrarea+sistemelor+informatice&amp;max=0&amp;view=&amp;sb=relevanc&amp;ob=asc&amp;level=all&amp;material_type=all&amp;location=0</a> ; <a href="http://www.editura.ase.ro/Carte/Integrarea-sistemelor-informatic/">http://www.editura.ase.ro/Carte/Integrarea-sistemelor-informatic/</a>

8	Lungu Ion, Bâra Adela – “Sisteme informatice executive”, Editura ASE, București 2007, ISBN 978 – 973 – 594 – 975 – 4, 287 pagini, din care 144 pagini contribuție proprie; <a href="http://www.editura.ase.ro/Carte/Sisteme-informatic-executive/">http://www.editura.ase.ro/Carte/Sisteme-informatic-executive/</a>
9	Fusaru Doina, Gherasim Zenovic, Andronie Maria, <b>Bâra Adela</b> - “ <i>Informatică de gestiune. Limbaje de programare și sisteme de gestiune a bazelor de date - Teste grilă</i> ”, Editura Fundației România de Măine, București, 2005, ISBN 973 – 725 – 257 – 8, 91 pagini, din care 23 pagini contribuție proprie (coperta în xerocopie în Anexe)
10	Fusaru Doina, Gherasim Zenovic, Andronie Maria, <b>Bâra Adela</b> , Stroe Petrișor- “ <i>Culegere de probleme – Visual Basic și Access</i> ”, Editura Fundației România de Măine, București, 2003, ISBN 973 – 582 – 755 – 7, 236 pagini, din care 47 pagini contribuție proprie (coperta în xerocopie în Anexe)

**3. Cărți de specialitate** publicate în edituri recunoscute (Cb1, Cb2 etc.), **articole/studii** publicate in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului) (Ri1, Ri2 etc.), **articole/studii in extenso** publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ ISBN) (Vi1, Vi2 etc.), precum și **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCSIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN) (Vn1, Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc. (E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea *domeniului*.

Cb	<b>Cărți de specialitate publicate în edituri recunoscute în România</b>
Cb1	<b>Adela Bâra</b> , Cornelia Paulina Botezatu, George Carutasu, Simona Vasilica Oprea, Alexandru Pirjan, Ion Lungu, Adina Uta, Anca Andreescu, Alexandra Florea - Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile (SIPAMER), Volumul I – Analiza sistemului și identificarea soluțiilor de realizare, Editura Pro Universitaria, ISBN: 978-606-26-0748-7, 322 pagini,
Cb2	<b>Adela Bâra</b> , George Carutasu, Alexandru Pirjan, Cornelia Paulina Botezatu, Simona Vasilica Oprea, Iuliana Botha, Anda Belciu - Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile (SIPAMER), Volumul II – Dezvoltarea și implementarea prototipului informatic, Editura Pro Universitaria, ISBN: 978-606-26-0818-7, 152 pagini
Cb3	<b>Adela Bâra</b> , Simona Vasilica Oprea, Iuliana Botha, Anda Belciu - Sisteme informatice inteligente pentru asistarea deciziilor în medii cu predictibilitate redusă, Editura ASE, 2017, ISBN 978-606-34-0149-7, 247 pagini
	<b>Cărți de specialitate publicate în edituri recunoscute în străinătate</b>
1	<b>Bâra Adela</b> , Oprea Simona - <i>Power Plants, Chapter: Key technical performance indicators for power plants</i> , InTech — Open Access Company Publishing, 2017, ISBN 978-953-51-5317-7, 18 pagini din care 9 pagini contribuție proprie;
2	<b>A. Bâra</b> , S. V. Oprea – <i>Chapter title: Electricity consumption and renewables generation forecasting with artificial neural networks</i> , Book: <i>Artificial Neural Networks</i> , ISBN 978-953-51-5676-5, InTECH, 2017
3	<b>Bâra Adela</b> , Lungu Ion - <i>Advances in Data Mining Knowledge Discovery and Applications, chapter 17: Improving decision support systems with data mining techniques</i> , InTech — Open Access Company Publishing, 2012, ISBN 978-953-51-0748-4, pp.367-388. 21 pagini din care 11 pagini contribuție proprie; <a href="http://www.intechopen.com/books/advances-in-data-mining-knowledge-discovery-and-applications">http://www.intechopen.com/books/advances-in-data-mining-knowledge-discovery-and-applications</a>

#### 4. Articole / studii publicate

<b>4.1.</b>	<b>Articole care prezintă contribuții științifice originale, in extenso, publicate de candidat ca autor sau coautor, în reviste cotate ISI sau BDI*</b>
	<b>Articol care prezintă contribuții științifice originale, in extenso, publicat într-o revistă cotată ISI cu factor de impact mai mare ca 0</b>
<b>1</b>	Oprea, S.-V.; <b>Bâra, A.</b> ; Preda, Ș.; Tor, O.B. A Smart Adaptive Switching Module Architecture Using Fuzzy Logic for an Efficient Integration of Renewable Energy Sources. A Case Study of a RES System Located in Hulubești, Romania. <i>Sustainability</i> 2020, <i>12</i> , 6084. (Q2)
<b>2</b>	Oprea, S.-V.; <b>Bâra, A.</b> ; Ultra-short-term forecasting for photovoltaic power plants and real-time key performance indicators analysis with big data solutions. Two case studies - PV Agigea and PV Giurgiu located in Romania, <i>Computers in Industry</i> , Volume 120, September 2020, Elsevier, Q1
<b>3</b>	OSMAN BÜLENT TÖR, MAHMUT ERKUT CEBECİ, MEHMET KOÇ, SAAED TEIMOURZADEH, DEREN ATLI, SIMONA VASILICA OPREA, <b>ADELA BARA</b> - Peak shaving and technical loss minimization in distribution grids: atime-of-use-based pricing approach for distribution service tariffs, <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> 28(3) DOI: 10.3906/elk-1907-30, (Q3)
<b>4</b>	Oprea, S.-V.; <b>Bâra, A.</b> ; Tudorică, B.G.; Dobrița (Ene), G. Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self-Organizing Maps. <i>Sustainability</i> 2020, <i>12</i> , 3442., (Q2)
<b>5</b>	Simona-Vasilica Oprea, <b>Adela Bara</b> , "Setting the Time-of-Use Tariff Rates With NoSQL and Machine Learning to a Sustainable Environment", <i>IEEE Access</i> , vol. 8, no. 1, ISSN 2169-3536, DOI: 10.1109/ACCESS.2020.2969728, January 2020, (Q1)
<b>6</b>	Simona-Vasilica Oprea, <b>Adela Bara</b> , "Machine Learning Algorithms for Short-Term Load Forecast in Residential Buildings Using Smart Meters, Sensors and Big Data Solutions", <i>IEEE Access</i> , vol. 7, no.1, ISSN 2169-3536, DOI 10.1109/ACCESS.2019.2958383, December 2019, (Q1)
<b>7</b>	Oprea, <b>S.V.</b> , <b>Bâra, A.</b> , Ifrim, G., Coroianu, L. (2019). Day-ahead Electricity Consumption Optimization Algorithms for Smart Homes. <i>Computers &amp; Industrial Engineering</i> . doi:10.1016/j.cie.2019.06.023, Elsevier, Q1
<b>8</b>	TEIMOURZADEH, S., TOR, O.B., CEBECI, M.E., <b>BARA, A.</b> , OPREA, S.V., A three-stage approach for resilience-constrained scheduling of networked microgrids, <i>J. Mod. Power Syst. Clean Energy</i> (2019) 7: 705. <a href="https://doi.org/10.1007/s40565-019-0555-0">https://doi.org/10.1007/s40565-019-0555-0</a> , Springer, Q2
<b>9</b>	M.E.Cebeci, O.B. Tor, <b>A. Bâra</b> , S.V. Oprea, Consecutive market and network simulations to investigate grid investment and re-dispatch requirements under various RES scenarios, <i>IEEE Transactions on Sustainable Energy</i> , 2018, DOI: 10.1109/TSTE.2018.2881036, (Q1)
<b>10</b>	S.V. Oprea, <b>A.Bâra</b> , D. Preotescu, L. Elefterescu, Photovoltaic Power Plants (PV-PP) Reliability Indicators for Improving Operation and Maintenance Activities. A Case Study of PV-PP Agigea Located in Romania, <i>IEEE Access</i> , January 2019, Volume: 7 Pages: 39142-39157, DOI: 10.1109/ACCESS.2019.2907098, WOS:000464212600001, (Q1)
<b>11</b>	S.V. Oprea, <b>A.Bâra</b> , V. Diaconita, Sliding Time Window Electricity Consumption Optimization Algorithm for Communities in the Context of Big Data Processing, <i>IEEE Access</i> , January 2019, PP:13050-13067, DOI: 10.1109/ACCESS.2019.2892902, WOS:000458177800075, (Q1)
<b>12</b>	S. Preda, S.V. Oprea, <b>A. Bâra</b> , A. Belciu (Velicanu)- <i>PV Forecasting Using Support Vector Machine Learning in a Big Data Analytics Context</i> , <i>Symmetry</i> . 2018;10(12):748 DOI 10.3390/sym10120748, WOS:000454725100086, (Q2)
<b>13</b>	S.V. Oprea, <b>A.Bâra</b> , A.Uță, A. Pîrjan, G. Căruțașu, Analyses of Distributed Generation and Storage Effect on the Electricity Consumption Curve in the Smart Grid Context, <i>Sustainability</i> 2018, <i>10</i> , 2264; ISSN: 2071-1050 doi:10.3390/su10072264, MDPI, 2017, IF 2,075, AIS 0,322 (2017), (Q2)

14	S.V.Oprea, <b>A. Bâra</b> , G.Ifrim, Flattening the electricity consumption peak and reducing the electricity payment for residential consumers in the context of smart grid by means of shifting optimization algorithm, Computers & Industrial Engineering, Volume 122, August 2018, Pages 125-139, Elsevier, <a href="https://doi.org/10.1016/j.cie.2018.05.053">https://doi.org/10.1016/j.cie.2018.05.053</a> , IF 3.195, AIS 0,770 (2017), (Q1)
15	S.V. Oprea, <b>A.Bâra</b> , Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania, Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101, MDPI, 2017, IF 2,676, AIS 0,468, (Q3)
16	S.V. Oprea, <b>A.Bâra</b> , G. Majstrovic, Aspects Referring Wind Energy Integration from the Power System Point of View in the Region of Southeast Europe. Study Case of Romania, Energies, 2018, ISSN 1996-1073, 11, 251; doi:10.3390/en11010251, IF 2,676, AIS 0,468, (Q3)
17	S.V. Oprea, <b>A.Bâra</b> , A. Reveiu, Informatics Solution for Energy Efficiency Improvement and Consumption Management of Householders, Energies 2018, 11, article number: 138; doi:10.3390/en11010138, ISSN: 1996-1073, IF 2,676, AIS 0,468 (Q3)
18	S.V. Oprea, A. Pîrjan, G. Căruțașu, D.M. Petroșanu, <b>A. Bâra</b> , J.L. Stănică, C. Coculescu, Developing a Mixed Neural Network Approach to Forecast the Residential Electricity Consumption Based on Sensor Recorded Data, Sensors 2018, 18, 1443; doi:10.3390/s18051443, IF 2,475, AIS 0,554, (Q1)
19	A. Pîrjan, S.V. Oprea, G. Căruțașu, D.M. Petroșanu, <b>A. Bâra</b> , C. Coculescu - Devising Hourly Forecasting Solutions Regarding Electricity Consumption in the Case of Commercial Center Type Consumers, Energies 2017, ISSN 1996-1073, 10(11), 1727; (doi:10.3390/en10111727); ISSN: 1996-1073, SRI: 0.498; IF: 2.707, (Q1)
20	S.V. Oprea, <b>A.Bâra</b> , M. Cebeci, O.B. Tor, Promoting peak shaving while minimizing electricity consumption payment for residential consumers by using storage devices, Revista TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES Turk J Elec Eng & Comp Sci, E-ISSN: 1303-6203 ISSN: 1300-0632, DOI: 10.3906/elk-1606-152, 2017, SRI: 0.119; IF:0.766 , (Q3)
21	I.Lungu, <b>A.Bâra</b> , G.Căruțașu, A.Pîrjan, S.V.Oprea - PREDICTION INTELLIGENT SYSTEM IN THE FIELD OF RENEWABLE ENERGIES THROUGH NEURAL NETWORKS, Revista "Economic Computation and Economic Cybernetics Studies and Research", nr.1/2016, ISSN 0424-267X, factor impact 0.406, SRI: 0.039; <a href="http://ecocyb.ase.ro/nr20161/05%20-%20Lungu%20Ion,%20final%20%28T%29.pdf">http://ecocyb.ase.ro/nr20161/05%20-%20Lungu%20Ion,%20final%20%28T%29.pdf</a>
22	I. Lungu, G. Căruțașu, A. Pîrjan, S.V. Oprea, <b>A. Bâra</b> - A two-step forecasting solution and upscaling technique for small size wind farms located on hilly areas in Romania, Studies in Informatics and Control Journal, vol 25/issue 1, 2016, ISSN 1220-1766, pp.77-86, <a href="http://sic.ici.ro/?page_id=6945">http://sic.ici.ro/?page_id=6945</a> IF: 0.653, SRI 0.096
23	<b>A. Bâra</b> , I. Lungu, S.V. Oprea, I. Botha, A. Chinie - Model assumptions for efficiency of wind power plants' operation, Revista "Economic Computation and Economic Cybernetics Studies and Research", nr. 4/2014, ISSN 0424-267X, factor impact 0.406, SRI: 0.039; <a href="http://www.ecocyb.ase.ro/eng/Articles_4-2014/07%20-%20Ion%20Lungu,%20Adela%20Bara%20(T).pdf">http://www.ecocyb.ase.ro/eng/Articles_4-2014/07%20-%20Ion%20Lungu,%20Adela%20Bara%20(T).pdf</a>
24	I.Lungu, <b>A. Bâra</b> , J.Popeangă - Measuring and improving energy efficiency indicators for a greener Romania, Revista "Economic Computation and Economic Cybernetics Studies and Research", nr. 2/2014, ISSN 0424-267X, factor impact 0.406, SRI: 0.039, <a href="http://ecocyb.ase.ro/eng/Ion%20Lungu.pdf">http://ecocyb.ase.ro/eng/Ion%20Lungu.pdf</a>
25	I Lungu, A Velicanu, <b>A Bâra</b> , I Botha, A M Mocanu, A Tudor – <i>Spatial Databases for Wind Parks</i> , Economic Computation and Economic Cybernetics Studies and Research Journal, ISSN: 0424-267X, nr.2/2012, pp.5-23, <a href="http://www.ecocyb.ase.ro/22012/Lungu%20Ion%20_DA_.pdf">http://www.ecocyb.ase.ro/22012/Lungu%20Ion%20_DA_.pdf</a> , factor impact 0.406, SRI: 0.029
26	I. Lungu, <b>A. Bâra</b> , V. Diaconita, C. Paraschiv - <i>Analyzing the Performance of Data Loading and Processing in Relational Databases</i> , Journal of Economic Computation and Economic Cybernetics Studies And Research, Nr 3/2010, ISSN 0424 – 267 X, pag. 109-123, <a href="http://www.ecocyb.ase.ro/cont32010/ABSTRACTS,%203,2010.pdf">http://www.ecocyb.ase.ro/cont32010/ABSTRACTS,%203,2010.pdf</a> , factor impact 0.247, SRI: 0.406

27	I. Lungu, M. Velicanu, <b>A. Bâra</b> , V. Diaconita, I. Botha, <i>Portal Based System Integration – Foundation for Decision Support</i> , Journal of ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH, 1/2009, pag 123-135, ISSN: 0424 – 267X , <a href="http://www.ecocyb.ase.ro/revista/Ion%20Lungu.pdf">http://www.ecocyb.ase.ro/revista/Ion%20Lungu.pdf</a> , factor impact 0.247, SRI: 0.406
28	I. Lungu, M. Velicanu, <b>A. Bâra</b> , V. Diaconita, I. Botha – <i>Practices for designing and improving data extraction in a virtual data warehouses project</i> , International Journal of Computers, Communications and Control, volumul 3, 2008, pag 369-375, ISSN 1841-9836, <a href="http://journal.univagora.ro/download/pdf/310.pdf">http://journal.univagora.ro/download/pdf/310.pdf</a> , factor impact 0,746
4.2	<b>Articol care prezintă contribuții științifice originale, in extenso, publicat într-o revistă indexată de cel puțin 2 din bazele de date internaționale recunoscute</b>
1	<b>A. Bâra</b> , B. Tudorică, R. Marales - o Solutions for Big Data Processing and Analytics in Context of Smart Homes, revista Database Systems Journal, Vol. IX/2018, ISSN 2069 – 3230, 2018
2	S.V.Oprea, <b>A Bâra</b> , L Elefterescu, Decision Support System Design for Photovoltaic Systems Operation and Maintenance by using Big Data technologies, Revista “Ovidius” University Annals, Economic Sciences Series Volume XVIII, Issue 1 /2018, pag.104-110, ISSN: 2393-3127, <a href="http://stec.univ-ovidius.ro/html/anale/RO/">http://stec.univ-ovidius.ro/html/anale/RO/</a>
3	<b>A.Bâra</b> , I.Botha, A.Belciu - Databases in Cloud - Solutions for Developing Renewable Energy Informatics Systems, database Systems Journal, vol VIII, no.2/2017, pp. 19 - 28. ISSN: 2069–3230, <a href="http://www.dbjournal.ro/archive/28/28_3.pdf">http://www.dbjournal.ro/archive/28/28_3.pdf</a>
4	<b>A.Bâra</b> , S.V.Oprea, I.Botha, O.B.Tor - Conceptual design and architecture of an informatics solution for smart trading on wholesale energy market in Romania, Database Systems Journal, Vol. VII, Issue 4/2016, pp.3-21, ISSN: 2069–3230, <a href="http://dbjournal.ro/archive/26/26_1.pdf">http://dbjournal.ro/archive/26/26_1.pdf</a> , Indexat RePEC, DOAJ, Cabells
5	S.V. Oprea, <b>A.Bâra</b> , A. Belciu - Informatics Solutions Requirements for Electricity Consumption Management, Database Systems Journal, Vol. VII, Issue 3/2016, pp.14-21, ISSN: 2069–3230, <a href="http://dbjournal.ro/archive/25/25_2.pdf">http://dbjournal.ro/archive/25/25_2.pdf</a> , Indexat RePEC, DOAJ, Cabells
6	I.Țăranu, M.Velicanu, <b>A.Bâra</b> - Databases in Cloud Computing Architecture using Oracle, International Journal of Computer Techniques, Volume 3 Issue 3, May - June 2016, ISSN 2394-2231, pp.49-52, <a href="http://www.ijctjournal.org">www.ijctjournal.org</a> , Published by International Research Group- IRG.
7	<b>A.Bâra</b> , I.Botha, A.Belciu, B.Nedelcu - Exploring Data in Human Resources Big Data, Database Systems Journal, Vol. VI, Issue 3/2015, pp.3-10, ISSN: 2069–3230, <a href="http://dbjournal.ro/archive/21/21_1.pdf">http://dbjournal.ro/archive/21/21_1.pdf</a> , Indexat RePEC, DOAJ, Cabells,
8	<b>A. Bâra</b> , A. Andreescu – Data Model for SIPAMER prototype, Database Systems Journal, vol 4, no 4/2014, ISSN: 2069 – 3230, ASE Publishing House. <a href="http://dbjournal.ro">http://dbjournal.ro</a>
9	<b>A.Bâra</b> , I.Lungu, G.Căruțașu, C.P.Botezatu, C.Botezatu, S.V. Oprea - A.Bâra, I.Lungu, G.Căruțașu, C.P.Botezatu, C.Botezatu, S.V. Oprea - Design workflow for cloud service information system for integration and knowledge management based in renewable energy, International Conference e-Society Knowledge and Inovation, Universitatea Romano-Americana, 2014, 13-14 Noiembrie 2014, publicat in Journal of Information Systems & Operations Management, ISSN –1843-4711
10	S.V. Oprea, <b>A. Bâra</b> - Business Intelligence Solutions for Wind Power Plants Operation, Revista Informatica Economică, vol. 18, no. 3/2014, pag. 41-54, ISSN 1453-1305, EISSN 1842-8088
11	<b>A. Bâra</b> , I. Botha, I. Lungu, SV Oprea - Decision Support System in National Power Companies. A Practical Example (Part I), Database Systems Journal, vol. IV, no. 1/2013, pp. 37- 46, ISSN: 2069–3230, <a href="http://dbjournal.ro/archive/11/11_5.pdf">http://dbjournal.ro/archive/11/11_5.pdf</a> , Indexat RePEC, DOAJ, Cabells,
12	A.I. Tudor, <b>A. Bâra</b> , E. Andrei (Dragomir) - Clustering Analysis for Credit Default Probabilities in a Retail Bank Portfolio, Database Systems Journal, vol. III, no. 2/2012, pp. 23-30, ISSN: 2069–3230. <a href="http://dbjournal.ro/archive/8/8_3.pdf">http://dbjournal.ro/archive/8/8_3.pdf</a> Indexat RePEC, DOAJ, Cabells,
13	I.Botha, <b>A. Bâra</b> , S-V. Oprea, T. C. Jordão - Integrating XML Technology with Object-Relational Databases into Decision Support Systems, Database Systems Journal, vol. III, no. 1/2012, pp. 11-20, ISSN: 2069–3230. <a href="http://dbjournal.ro/archive/7/7_2.pdf">http://dbjournal.ro/archive/7/7_2.pdf</a> Indexat RePEC, DOAJ, Cabells,
14	I. Botha, A Velicanu, <b>A Bâra</b> – <i>Modeling Spatial Data within Object Relational-Databases</i> , Database Systems Journal, vol. II, no. 1/2011, pp. 33-42, ISSN: 2069–3230. <a href="http://dbjournal.ro/archive/3/4_Botha_Velicanu_Bara.pdf">http://dbjournal.ro/archive/3/4_Botha_Velicanu_Bara.pdf</a> Indexat RePEC, DOAJ, Cabells,
15	<b>A. Bâra</b> - <i>Solutions for improving data extraction from virtual data warehouse</i> , Database Systems Journal, vol 1, no1/2010, pp 27-36, ISSN: 2069 – 3230, ASE Publishing House. <a href="http://dbjournal.ro/archive/1/1_5_Bara_Adela.pdf">http://dbjournal.ro/archive/1/1_5_Bara_Adela.pdf</a> Indexat RePEC, DOAJ, Cabells,

16	<b>A. Bâra</b> , I.Botha, V. Diaconița, I. Lungu, A. Velicanu, M. Velicanu – <i>A Model for Business Intelligence Systems' Development</i> , Informatica Economica Review, volume XIII, No 4/2009, ISSN 1453-1305, nov 2009, pag 99-108. <a href="http://revistaie.ase.ro/content/52/10%20-%20Bara,%20Botha.pdf">http://revistaie.ase.ro/content/52/10%20-%20Bara,%20Botha.pdf</a> Indexat DOAJ, Cabells, EBSCO, RePEC
17	A. Bâra, F. Năstase, V. Diaconița, I. Scorța - Approach for developing the ERP systems in higher education institutions, International Conference Accounting and management information systems, AMIS'09, Bucharest, 18-19 june 2009, ISBN 978-606-505-236-9. publicat in Accounting and Management Information Systems, Volume 8/2009, pag 469-483, ISSN:1583-4387. <a href="http://www.emeraldinsight.com/journals.htm?issn=1834-7649&amp;volume=18&amp;issue=1&amp;articleid=1839567&amp;show=html">http://www.emeraldinsight.com/journals.htm?issn=1834-7649&amp;volume=18&amp;issue=1&amp;articleid=1839567&amp;show=html</a> Indexat în RePEC, Cabells, EBSCO, ProQuest
18	I. Lungu, <b>A. Bâra</b> - <i>Executive information systems's multidimensional models</i> – Revista Informatica Economică, nr3/2007, pp.87-90, ISSN 1453-1305, <a href="http://revistaie.ase.ro/content/43/10-lungu.pdf">http://revistaie.ase.ro/content/43/10-lungu.pdf</a> . Indexat DOAJ, Cabells, EBSCO, RePEC
19	I. Lungu, V. Diaconița, <b>A. Bâra</b> - <i>Online stock trading platform</i> , Revista “Informatică Economică”, pag. 77-82 nr.4/2006, ISSN 1453-1305, <a href="http://www.revistaie.ase.ro/content/40/lungu_.pdf">http://www.revistaie.ase.ro/content/40/lungu_.pdf</a> . Indexat DOAJ, Cabells, EBSCO, RePEC
20	I. Lungu, <b>A. Bâra</b> , V. Diaconița - <i>Building Analytic Reports for Decision Support Systems - Aggregate versus Analytic Functions</i> , Revista “Economy Informatics”, nr.1-4/2006, pag. 17-20, ISSN 1582-7941, <a href="http://www.economyinformatics.ase.ro/content/EN6/lungu.pdf">http://www.economyinformatics.ase.ro/content/EN6/lungu.pdf</a> . Indexat DOAJ, Cabells, EBSCO, RePEC
21	I. Lungu, <b>A. Bâra</b> - <i>Executive Information Systems Development Lifecycle</i> , Revista “Economy Informatics”, nr.1-4/2005, pag. 19-22, ISSN 1582-7941, <a href="http://www.economyinformatics.ase.ro/content/EN5/lungu.pdf">http://www.economyinformatics.ase.ro/content/EN5/lungu.pdf</a> . Indexat DOAJ, Cabells, EBSCO, RePEC
22	Scorta I, <b>Bâra A</b> , Constantinescu R, Zota R, Năstase F - Improving organizational efficiency and effectiveness in a Romanian Higher Education Institution, WSEAS Transactions On Computers Journal, Volume 8, Issue 10, pp. 1641 - 1650, October 2009, ISSN:1190-2750, <a href="http://www.wseas.us/e-library/transactions/computers/2009/29-674.pdf">http://www.wseas.us/e-library/transactions/computers/2009/29-674.pdf</a> . Indexat Scopus, Cabells
23	<b>A. Bâra</b> , I. Lungu, S. Oprea - <i>Public Institutions' Investments with Data Mining Techniques</i> , JOURNAL WSEAS TRANSACTIONS ON COMPUTERS, Volume 8, 4/2009, pag. 589-598, ISSN: 1109-2750, <a href="http://www.worldses.org/journals/computers/computers-2009.htm">http://www.worldses.org/journals/computers/computers-2009.htm</a> sau <a href="http://www.wseas.us/e-library/transactions/computers/2009/29-108.pdf">http://www.wseas.us/e-library/transactions/computers/2009/29-108.pdf</a> . Indexat Scopus, Cabells
24	<b>A. Bâra</b> , V. Diaconița, I. Lungu, M. Velicanu - <i>Improving Performance in Integrated DSS with Object Oriented Modeling</i> , JOURNAL WSEAS TRANSACTIONS ON COMPUTERS, Volume 8, 2009, ISSN: 1109-2750, <a href="http://www.worldses.org/journals/computers/computers-2009.htm">http://www.worldses.org/journals/computers/computers-2009.htm</a> sau <a href="http://www.wseas.us/e-library/transactions/computers/2009/29-109.pdf">http://www.wseas.us/e-library/transactions/computers/2009/29-109.pdf</a> . Indexat Scopus, Cabells
25	V. Diaconița; I. Lungu; <b>A. Bâra</b> - <i>Technical Solutions for Integrated Trading on Spot, Futures and Bonds Stock Markets</i> , JOURNAL WSEAS TRANSACTIONS ON INFORMATION SCIENCE AND APPLICATIONS, Volume 6, 2009, ISSN: 1790-0832, pag. 798-808 <a href="http://www.wseas.us/e-library/transactions/information/2009/29-183.pdf">http://www.wseas.us/e-library/transactions/information/2009/29-183.pdf</a> , EBSCO link <a href="http://ejournals.ebsco.com/direct.asp?JournalID=725571">http://ejournals.ebsco.com/direct.asp?JournalID=725571</a> . Indexat Scopus, Cabells, EBSCO
26	<b>A. Bâra</b> , I.Lungu, M. Velicanu, V. Diaconița, I. Botha – <i>Improving query performance in virtual data warehouses</i> , WSEAS TRANSACTIONS ON INFORMATION SCIENCE AND APPLICATIONS, May 2008, pag. 632- 641, ISSN: 1790-0832, <a href="http://www.wseas.us/e-library/transactions/information/2008/26-148.pdf">http://www.wseas.us/e-library/transactions/information/2008/26-148.pdf</a> , EBSCO link <a href="http://ejournals.ebsco.com/direct.asp?JournalID=725571">http://ejournals.ebsco.com/direct.asp?JournalID=725571</a> . Indexat Scopus, Cabells, EBSCO
27	V. Diaconița, I. Botha, <b>A. Bâra</b> , I. Lungu, M. Velicanu - <i>Two Integration Flavors in Public Institutions</i> , WSEAS TRANSACTIONS ON INFORMATION SCIENCE AND APPLICATIONS, May 2008, ISSN: 1790-0832, pag. 806-815, <a href="http://www.wseas.us/e-library/transactions/information/2008/26-160.pdf">http://www.wseas.us/e-library/transactions/information/2008/26-160.pdf</a> , EBSCO link <a href="http://ejournals.ebsco.com/direct.asp?JournalID=725571">http://ejournals.ebsco.com/direct.asp?JournalID=725571</a> . Indexat Scopus, Cabells, EBSCO
28	I. Lungu, <b>A. Bâra</b> , R. Bologa – <i>Business Intelligence Portals-Efficient Tools for Integrating and Analyzing Data</i> , Revista “Economic Computation and Economic Cybernetics Studies and Research”, nr.3-4/2006, pag. 131-138, ISSN 0424-267X, <a href="http://www.ecocyb.ase.ro/contents2006.pdf">http://www.ecocyb.ase.ro/contents2006.pdf</a>
<b>4.3</b>	<b>Articole / studii publicate în volumele conferințelor indexate ISI Proceedings sau internaționale desfășurate în țară sau străinătate (cu ISSN sau ISBN)</b>
1	<b>Bâra Adela</b> , Simona Oprea, Gabriela Dobrița Ene, Mix-generation optimization for electricity market simulation, In the 6th International Scientific Conference SEA-CONF 2020, Constanta, Romania, May 2020
2	Simona Oprea, <b>Bâra Adela</b> , Local market mechanisms survey for peer-to-peer electricity trading on blockchain platform, In the 6th International Scientific Conference SEA-CONF 2020, Constanta, Romania,

	May 2020
3	Xiaolong Jin, Simona Oprea, <b>Bâra Adela</b> , Vlad Diaconita, Qiuwei Wu, ICT SOLUTIONS FOR LOCAL FLEXIBILITY MARKETS, In The 19th International Conference on Informatics in Economy IE 2020, Timisoara, Romania, May 2020
4	Marales Razvan, <b>Bâra Adela</b> , Simona Oprea Edge Computing in Real-Time Electricity Consumption Optimization Algorithm for Smart Grids, In 2020 8th International Conference on Computers Communications and Control (ICCCC, Oradea, Romania, May 2020
5	Simona-Vasilica Oprea, <b>Adela Bara</b> , Dan Preotescu, "NoSQL Data Storage and Clustering Large Volume of Data from Smart Metering Systems with Impact on Electricity Consumption Peak and Tariff Settings", 8 <sup>th</sup> International Conference „Global Economy Under Crisis” (GEUC), 14-15.11.2019
6	Simona Vasilica Oprea, <b>Adela Bâra</b> , "Big data solutions for efficient operation of microgrids," THE INTERNATIONAL CONFERENCE "PRESENT ISSUES OF GLOBAL ECONOMY" PIGE – 16th Edition (June, 13th-15th 2019)
7	Simona-Vasilica Oprea, <b>Adela Bâra</b> , "Distributed database on blockchain technology for new era of electricity transactions", Scientific Bulletin "Mircea cel Batran" Naval Academy; Constanta Vol. 22, Iss. 1, (2019), pg.44-51. DOI:10.21279/1454-864X-19-I1-006
8	Simona-Vasilica Oprea, <b>Adela Bâra</b> , Dan Preoșescu, "Data framework for electricity price setting in competitive environment," Scientific Bulletin "Mircea cel Batran" Naval Academy; Constanta (2019), vol. 1297, IOPscience, <a href="https://iopscience.iop.org/issue/1742-6596/1297/1">https://iopscience.iop.org/issue/1742-6596/1297/1</a>
9	S.V. Oprea, <b>A. Bâra</b> , V. Diaconița, D. Preoșescu, O.B. Tor, "Big data solutions for demand response management" ICSTCC 2019 (23rd International Conference on System Theory, Control and Computing, October 9-11, 2019, Sinaia, Romania
10	G. Ifrim, S.V. Oprea, <b>A. Bara</b> , "Shifting Optimization Algorithms for Flattening the Electricity Consumption Peak"- ICSTCC 2019 (23rd International Conference on System Theory, Control and Computing, October 9-11, 2019, Sinaia, Romania
11	S.V.Oprea, <b>A. Bâra</b> , O.B.Tor - Three-layer informatics solution for demand response management in the smart grid context, The 4th International Scientific Conference SEA-CONF 2018, May 17-19, 2018, Constanța, Romania, publicat in IOP Conference Series: Earth and Environmental Science, vol.172, 2018, ISSN: 1755-1315
12	<b>A. Bâra</b> , S.V.Oprea, D.Preoșescu - Data management for photovoltaic power plants operation and maintenance, The International Conference "Present Issues Of Global Economy" - 15th Edition (PIGE 2018), 7-9 iunie 2018, Constanța, România, Publicat in OVIDIUS UNIVERSITY ANNALS ECONOMIC SCIENCES SERIES, Vol. XVIII, Issue 1, 2018, pag. 70-75
13	S.V.Oprea, <b>A. Bâra</b> , L. Elefterescu - Decision Support System Design for Photovoltaic Systems Operation and Maintenance by using Big Data technologies, The International Conference "Present Issues Of Global Economy" - 15th Edition (PIGE 2018), 7-9 iunie 2018, Constanța, România
14	<b>A.Bâra</b> , S.V. Oprea - Consumption Management Informatics Solution for Increasing Consumers' Awareness towards Energy Efficiency, Conferința Internațională „Global Economy Under Crisis” (GEUC) – ediția a VI-a, Constanța, 14-15 decembrie 2017;
15	A.M.I. Corbea (Florea), <b>A. Bâra</b> , A. Uță - Regional Cooperation on the Energy Markets - a Study of Romania's Day-Ahead Market, Conferința Internațională „Global Economy Under Crisis” (GEUC) – ediția a VI-a, Constanța, 14-15 decembrie 2017;
16	<b>A. Bâra</b> , B. Tudorică, . Maraleș - Big Data Solution for Demand Response Management in Context of IoT Appliances, The 17th International Conference on Informatics in Economy (IE 2018), 17 – 20 Mai 2018, Iași, România;
17	H. OĞUZ, M.E. Cebeci, O.B. Tör, O. Aksu, M. Gümüş, <b>A. Bâra</b> , S.V. Oprea - Protection relay settings management at Akdeniz DISCO through DigSILENT StationWare, conferința internațională The Sixth International Istanbul Smart Grids and Cities Congress and Fair (ICSG 2018), Istanbul, Turcia, 25-26 aprilie 2018, <a href="http://www.icsgistanbul.com/en/?page_id=3864">http://www.icsgistanbul.com/en/?page_id=3864</a> ;
18	K. OZEN, O.B. TOR, M.E. CEBECI, M. CETINTAS, A. AKGUN, <b>A. Bâra</b> , S.V. Oprea - Arc-flash risk level calculations based on computer simulations and measures to avoid hazards, Conferința internațională XXth International Symposium on Electrical Apparatus and Technologies (Siela 2018), Bourgas, Bulgaria, 3-6 iunie 2018, <a href="http://siela.tu-sofia.bg/">http://siela.tu-sofia.bg/</a>
19	B. Özçelik, O.B. Tör, M.E. Cebeci, K. Tanrıöven, <b>A. Bâra</b> , S.V. Oprea - Implementation of sweep frequency response analysis (SFRA) for condition assessment of power and distribution transformers, conferința internațională Second SEERC conference, Kiev, Ucraina, 12.06.2018 - 13.06.2018, <a href="http://www.cigre-Seerc.org/article/SEERC_kyiv_kiev_second_conference">http://www.cigre-Seerc.org/article/SEERC_kyiv_kiev_second_conference</a> ;
20	A.Okuslug, A.N.Guven, O.B.Tör, <b>A.Bara</b> , S.V.Oprea - Price Based Unit Commitment For Bidding Strategies In Turkish Market Under Unit And System Constraints, IEEE 8th International Conference on Energy and Environment, CIEM 2017, Univ.Politehnica Bucharest, 19-20 October 2017

21	<b>A. Bâra</b> , S.V. Oprea, A. Uță. O.B. Tör, M.E. Cebeci - Informatics solutions for smart trading on wholesale electricity markets containing RES bidders, 18th International Conference on Computer Systems and Technologies, CompSysTech'17, University of Ruse, Bulgaria, 23-24 June, 2017, <a href="http://www.compsystech.org/index.php?cmd=dPage&amp;pid=acceptedPapers;">http://www.compsystech.org/index.php?cmd=dPage&amp;pid=acceptedPapers;</a>
22	S.V. Oprea, <b>A. Bâra</b> , A. Reveiu - Informatics solution for energy efficiency improvement and consumption management, 10th International Conference on Sustainable Energy & Environmental Protection, Seep2017, Slovenia, 27-30 iunie, 2017, <a href="http://www.bled.si/en/events/2017/06/30/2419-SEEP-2017-10th-International-Conference-on-Sustainable-Energy-Environmental-Protection;">http://www.bled.si/en/events/2017/06/30/2419-SEEP-2017-10th-International-Conference-on-Sustainable-Energy-Environmental-Protection;</a> DOI: 10.18690/978-961-286-050-9, Publisher: University of Maribor Press, ISSN: 978-961-286-050-9
23	A. Reveiu, S.V. Oprea, <b>A. Bâra</b> - Identifying Energy Consumers Behaviour by Using Energy Big Data Analytics, 10th International Conference on Sustainable Energy & Environmental Protection, Seep2017, Slovenia, 27-30 iunie, 2017, <a href="http://www.bled.si/en/events/2017/06/30/2419-SEEP-2017-10th-International-Conference-on-Sustainable-Energy-Environmental-Protection;">http://www.bled.si/en/events/2017/06/30/2419-SEEP-2017-10th-International-Conference-on-Sustainable-Energy-Environmental-Protection;</a>
24	S.V. Oprea, <b>A. Bâra</b> - Electricity load profile calculation using self-organizing maps, 20th International Conference on System Theory, Control and Computing (ICSTCC), (Joint conference SINTES 20, SACCS 16, SIMSIS 20), 13-15 oct 2016, Sinaia, Romania, ISBN 978-1-5090-2720-0, IEEE Catalog Number CFP1636P-ART, ISBN 978-1-5090-2719-4, IEEE Catalog Number CFP1636P-DVD, pp. 860-865, indexată ISI Proceedings;
25	A.Florea, A.Bâra, I.Lungu, O.Tor - Business intelligence solution for monitoring the key performance indicators on the energy wholesale market, Proceedings of the 16th International Conference on INFORMATICS in ECONOMY (IE 2017), București, România, 4-7 mai, 2017, ISSN 2284-7472, ISSN-L = 2247-1480, <a href="http://www.conferenteie.ase.ro/">http://www.conferenteie.ase.ro/;</a>
26	S.V. Oprea, <b>A. Bâra</b> , G.Carutasu, A.Pirjan - Prosumers' Renewable Small-Size Generation Forecasting Analyses With ARIMA Models, ECAI 2016 - International Conference – 8th Edition Electronics, Computers and Artificial Intelligence, 30 June -02 July, 2016, Ploiesti, ROMÂNIA, ISSN 1843 – 2116, indexată ISI Proceedings;
27	<b>A.Bâra</b> , S.V. Oprea - Informatics solutions for data processing of electricity consumption optimization in smart grids, International Conference “Risk in Contemporary Economy”, XVIIth Edition, 2016, Galati, Romania, “Dunarea de Jos” University of Galati – Faculty of Economics and Business Administration, 19-20 mai 2016, ISSN-L 2067-0532, ISSN online 2344-5386, pp 118-123, <a href="http://www.rce.feaa.ugal.ro/images/stories/RCE2016/OpreaBara.pdf">http://www.rce.feaa.ugal.ro/images/stories/RCE2016/OpreaBara.pdf</a>
28	<b>A. Bara</b> , I.Simonca, A. Belciu, F.Buhociu - Databases in cloud – solutions for developing decision support systems in renewable energy, The 15th International Conference on Informatics in Economy (IE 2016) ISSN: 2247 – 1480, Cluj Napoca, 2-5 iunie 2016; indexată ISI Proceedings;
29	S.V. Oprea, <b>A. Bâra</b> , I. Lungu - Methods for electricity load profile calculation within deregulated markets, Proceedings of the 19th International Conference on System Theory, Control and Computing (ICSTCC 2015), October 14-16 2015, Cheile Gradistei, Romania, ISBN 978-1-4799-8481-7, IEEE Xplore, pag. 848-853, DOI: 10.1109; indexată ISI Proceedings;
30	<b>A. Bâra</b> , G. Căruțașu, C. Botezatu, A. Pîrjan - Comparative Analysis between Wind and Solar Forecasting Methods Using Artificial Neural Networks, Proceedings of the 16th IEEE International Symposium on Computational Intelligence and Informatics (CINTI 2015), 19–21 November, 2015, Budapest, Hungary, ISBN 978-1-4673-8520-6, IEEE Xplore, pag.89-94; indexată ISI Proceedings;
31	<b>A. Bâra</b> , S.V. Oprea, I. Lungu, G. Căruțașu, C. P. Botezatu - Financial simulator based on wind power plants forecast, WORLD RENEWABLE ENERGY CONGRESS 14, WREC XIV, University POLITEHNICA of Bucharest, Bucharest – Romania, June 8 – 12, 2015, Open Access Journal of Physics: Conference Series (JPCS), 1742-6596
32	<b>A. Bâra</b> , I. Botha, A. Belciu, B. Nedelcu - Big data challenges for human resources management, The 14th International Conference on Informatics in Economy (IE 2015) ISSN: 2247 – 1480, Bucharest; indexată ISI Proceedings;
33	<b>A. Bâra</b> , S.V. Oprea, A. Florea, G. Căruțașu, C.P. Botezatu - Analysis regarding decision support system's development for investments in renewable energy sources, 15th EBES Conference - Lisbon, 8-10 January 2015, ISCTE-IUL Instituto Universitário de Lisboa in Lisbon, Portugal, <a href="http://ebesweb.org/Proceedings.aspx">http://ebesweb.org/Proceedings.aspx</a>



34	A. Florea, I.Botha, <b>A. Bâra</b> – Solutions for integrating data and services using BPM processes, Proceeding of the 13th International Conference on Informatics in Economy (IE2014), Education, Reasearch & Business Technologies, Bucharest, Romania, 15-18 May 2014, ISSN: 2284-7472, ISSN-L: 2247-1480, Published by BUES Press, pp. 422-428,
35	<b>A. Bâra</b> , SV Oprea, A. Velicanu, I. Botha - Spatial collaborative system for Wind Power Plants using Service Oriented Architecture, The 2013 International Conference of Computer Science and Engineering (ICCSE'13), World Congress on Engineering, London, UK, 30 iunie -7 iulie 2013, publicat in Lecture Notes in Engineering and Computer Science, pp 909-914, editura Newswood Limited International Association of Engineers, ISBN: 978-988-19252-8-2; ISSN: 2078-0958 (print), ISSN: 2078-0966 (online).
36	<b>A. Bâra</b> , I. Botha, I. Lungu, SV Oprea - Prototype for a decision support system in national power companies, The 12th International Conference on Informatics in Economy (IE 2013), April 25-28, 2013, Bucharest, Romania, pp: 381-385, ISSN: 2284-7472, indexată ISI Proceedings;
37	A. Andreescu, <b>A. Bâra</b> , M. Velicanu, I. Botha, A. Florea - <i>Data mining solutions for determining student's profile</i> , Quality and efficiency in e-learning - Proceedings of the 9th International Scientific Conference "eLearning and Software for Education" Bucharest, April 25 - 26, 2013, Volume 2, Publisher: Editura Universitatii Nationale de Aparare "Carol I" (ISSN: 2066 - 026X print 2066 - 8821 online); pp: 284-289, indexată ISI Proceedings;
38	A. Tudor, <b>A. Bâra</b> , S-V Oprea - Comparative analysis of data mining methods for predicting credit default probabilities in a retail bank portfolio, The 1st International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS (ITCN '12), Vienna, Austria, Recent advances in computer engineering Series, Latest trends in Information Technology, ISSN: 1790-5190, ISBN: 978-1-61804-134-0, pp. 117-123;
39	S-V. Oprea, I. Botha, <b>A. Bâra</b> , A. Velicanu - Prototype of a Decision Support System for analyzing and forecasting the Wind Energy Production in Romania. The 1st International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS (ITCN '12), Vienna, Austria, Recent advances in computer engineering Series, Latest trends in Information Technology, ISSN: 1790-5190, ISBN: 978-1-61804-134-0, pp. 123-129;
40	<b>A. Bâra</b> , A. Florea, I. Botha, S-V. Oprea - Solutions for CRM systems integration in organizational systems, The 1st International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS (ITCN '12), Vienna, Austria, Recent advances in computer engineering Series, Latest trends in Information Technology, ISSN: 1790-5190, ISBN: 978-1-61804-134-0, pp 146-152;
41	<b>A. Bâra</b> , I. Botha, A. Velicanu - Solutions for performance increase in business intelligence systems, The 11th International Conference on Informatics in Economy Education, Research & Business Technologies, 2012, ISSN: 2247 – 1480; indexată ISI Proceedings;
42	S-V. Oprea, <b>A. Bâra</b> , V. Vlăducu, A. Velicanu - Data Level's Integrated Model for the National Grid Company's Decision Support System, Recent Advances in Computers, Communications, Applied Social Science and Mathematics, International Conference on Computers, Digital Communications and Computing (ICDCCC'11), Barcelona, Spain, 15-17 septembrie 2011, pp 167-172, ISBN: 978-1-61804-030-5, publicat de WSEAS Press;
43	<b>A. Bâra</b> , A. Velicanu, I. Botha, S-V. Oprea - <i>Solutions for the Data Level's Representation in a Decision Support System in Wind Power Plants</i> , The 13 <sup>th</sup> International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems, Iasi, Romania, July 1-3, 2011, publicat in Recent Researches in Computational Techniques, Non-Linear Systems and Control, pp. 259-264, ISBN: 978-1-61804-011-4;
44	A. Tudor, <b>A. Bâra</b> , I. Botha - <i>Data Mining Algorithms and Techniques Research in CRM Systems</i> , The 13 <sup>th</sup> International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems, Iasi, Romania, July 1-3, 2011, publicat in Recent Researches in Computational Techniques, Non-Linear Systems and Control, pp. 265-269, ISBN: 978-1-61804-011-4;
45	I Botha, <b>A Bâra</b> , S-V Oprea - An Implementation Perspective on Object-Relational Databases in Decision Support Systems, The 10th International Conference on Informatics in Economy, Bucharest, Romania, May 5-7, 2011, publicat in The Proceedings of the Tenth International Conference on Informatics in Economy, 2011, ISSN: 2247-1480, ISSN-L: 2247-1480; <a href="http://conferenceie.ase.ro/arhive/2011/">http://conferenceie.ase.ro/arhive/2011/</a>
46	<b>A Bâra</b> , S-V Oprea, A Velicanu, V Diaconu - Decision Support Systems - Solutions for Predicting, Monitoring and Integrating Wind Energy Resources into the National Grid Companies, International Conference on Development, Energy, Environment, Economics, Puerto de la Cruz, Tenerife, November 30 - December 2, 2010, pag. 55-60, WSEAS Press, ISBN 978-960-474-253-0;

47	<b>A Bâra</b> , A Velicanu, I Lungu, I Botha - Natural Factors that Can Affect Wind Parks and Possible Implementation Solutions in a Geographic Information System, International Conference on Development, Energy, Environment, Economics, Puerto de la Cruz, Tenerife, November 30 - December 2, 2010, pag. 50-54, Publisher WSEAS Press, ISBN 978-960-474-253-0;
48	I. Lungu, <b>A. Bâra</b> , I. Botha, A. Velicanu, A. Florea, V. Diaconița - Framework for Executive Information Systems' Development in Cloud Computing Architecture, International Conference on Information Society (i-Society 2010) London, UK, publicat in i-Society 2010 Proceedings, pp. 591-596, ISBN 978-0-9564263-3-8; <a href="http://ieeexplore.ieee.org/iel5/.../06018710.pdf">ieeexplore.ieee.org/iel5/.../06018710.pdf</a>
49	<b>A. Bâra</b> , I. Lungu, M. Velicanu, S. Oprea - Intelligent Systems for Predicting and Analyzing Data in Power Grid Companies, The IEEE International Conference on Information Society (i-Society 2010), London, UK, publicat în i-Society 2010 Proceedings, pp. 597-602, ISBN 978-0-9564263-3-8; <a href="http://ieeexplore.ieee.org/iel5/.../06018781.pdf">ieeexplore.ieee.org/iel5/.../06018781.pdf</a>
50	<b>A. Bâra</b> , F. Năstase, V. Diaconița, I. Scorța - <i>Approach for developing the ERP systems in higher education institutions</i> , International Conference Accounting and management information systems, AMIS'09, Bucharest, 18-19 june 2009, ISBN 978-606-505-236-9;
51	I. Scorța, <b>A. Bâra</b> , R. Constantinescu, R. Zota, F. Năstase - Enterprise Resource Planning Systems For Public Institutions, Proceedings of The 13th WSEAS International Multiconference on Circuits, Systems, Communications, Computers, CSCC'09, Rhodos, Greece, 23-25 july 2009, Recent Advances in Computers, pp. 139 – 144, ISSN: 1790-5109, ISBN: 978-960-474-099-4;
52	I. Scorța, <b>A. Bâra</b> , V. Diaconița - Solutions for Better Management in Romanian Public Institutions, The Ninth International Conference on Informatics in Economy IE 2009, Education, Research & Business Technologies, Bucharest, 7-9 may 2009, pag 519-524, ASE Printing House, 2009, ISBN 987-606-505-172-2; <a href="http://conferenteie.ase.ro/arhive/2009/">http://conferenteie.ase.ro/arhive/2009/</a>
53	<b>A. Bâra</b> , I. Lungu, S. Oprea - Data Mining - Support for making decisions in public institutions -Proceeding of The 8th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'09), Cambridge UK, 21-23 feb. 2009, pag 325-330, ISBN: 978-960-474-051-2, ISSN, 1790-5109;
54	<b>A. Bâra</b> , V. Diaconița, I. Lungu, M. Velicanu - <i>Decision support systems – improving performance with object oriented implementation</i> -Proceeding of The 8th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'09), Cambridge UK, 21-23 feb. 2009, pag 331-337 ISBN: 978-960-474-051-2, ISSN, 1790-5109; <a href="http://www.wseas.us/e-library/conferences/2009/cambridge/AIKED/AIKED52.pdf">http://www.wseas.us/e-library/conferences/2009/cambridge/AIKED/AIKED52.pdf</a>
55	V. Diaconita; I. Lungu; <b>A. Bâra</b> - A practical solution for stock market integration, 10th WSEAS International Conference on Mathematics and Computers in Business and Economics, MICBE '09: PROCEEDINGS OF THE 10TH WSEAS INTERNATIONAL CONFERENCE ON MATHEMATICS AND COMPUTERS IN BUSINESS AND ECONOMICS 82-87 2009, Praque, CZECH REPUBLIC, MAR 23-25, 2009, pag 82-87, ISBN: 978-960-474-063-5;
56	A.R Bologa, R. Bologa, <b>A. Bâra</b> - Technology Vs Business Needs In Business Intelligence Projects, Proceedings of the IEEE International Conference on e-Business (ICE-B 2008), 26-29 July, Porto, Portugal, 2008, ISBN 978-989-8111-58-6;
57	<b>A. Bâra</b> , I.Lungu, M. Velicanu, V. Diaconița, I. Botha – <i>Extracting data from virtual data warehouses – a practical approach of how to improve query performance</i> , Proceedings of the 7th WSEAS International Conference on ARTIFICIAL INTELLIGENCE, KNOWLEDGE ENGINEERING and DATA BASES (AIKED '08), Cambridge UK, 20-22 feb. 2008, ISBN: 978-960-6766-41-1, ISSN, 1790-5109; <a href="http://dl.acm.org/citation.cfm?id=1415962">http://dl.acm.org/citation.cfm?id=1415962</a>
58	V. Diaconita, I. Botha, <b>A. Bâra</b> , I. Lungu, M. Velicanu – <i>Portal oriented integration in public institutions</i> , Proceedings of the 7th WSEAS International Conference on ARTIFICIAL INTELLIGENCE, KNOWLEDGE ENGINEERING and DATA BASES (AIKED '08), Cambridge UK, 20-22 feb. 2008, ISBN: 978-960-6766-41-1, ISSN, 1790-5109;
59	A. R. Lupu, R. Bologa, I. Lungu, <b>A. Bâra</b> – The Impact of Organization Changes on Business Intelligence Projects, New Advances in Simulation, Modelling and Optimization - Proceedings of the 7th WSEAS International Conference on Simulation, Modelling and Optimization (SMO '07), Beijing, China, 15-17 Septembrie 2007, pag 415-419 ISBN: 978-960-6766-05-3, ISSN: 1790-5117; <a href="http://www.wseas.us/e-library/conferences/2007/beijing/papers/554-395.pdf">http://www.wseas.us/e-library/conferences/2007/beijing/papers/554-395.pdf</a>

60	I. Lungu, <b>A. Bâra</b> - Tuning SQL queries for better performance in Management Information Systems using large set of data, Conferința internațională Knowledge management: projects, systems and technologies, București, noiembrie 2006, publicată în volumul conferinței în suplimentul revistei Informatică Economică Vol. 1 Current Approaches in Intellectual Capital Evaluation, pag. 57-62, INFOREC printing house, ISSN 1453-1305;
61	I. Lungu, <b>A. Bâra</b> , A. Fodor - Business Intelligence Tools for Building the Executive Information Systems, Comunicare la 5th RoEduNet IEEE International Conference, Sibiu, România, 1-3 June 2006, publicată în volumul Proceedings of the 5th RoEduNet IEEE International Conference, pag 313-315, "Lucian Blaga" University Publishers, 2006, ISBN (10) 973-739-277-9; ISBN (13) 978-973-739-277-0;
62	<b>A. Bâra</b> - The potential for executive information systems to support the high-level management - Conferința Internațională de Informatică Economică "Information & Knowledge Age", ASE București, 2005, publicată în volumul conferinței, editura Economică, INFOREC Printing House, mai 2005, ISBN 973-8360-014-8 ;
<b>5</b>	<b>Proiecte de cercetare obținute prin competiție</b>
<b>5.1.</b>	<b>Director/ responsabil</b>
1	Soluție informatică complexă de optimizare a procedurilor de operare tehnică a centralelor fotovoltaice (OPTIMPV), cod proiect PN-III-P2-2.1-PTE-2016-0032, Programului Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare, Subprogramul 2.1. Competitivitate prin cercetare, dezvoltare și inovare, Competitia Transfer la operatorul economic (PTE), 2016-2018, coordonator ICPE SA, Valoare totală 1.646.491 RON, <b>responsabil proiect P1 - ASE</b>
2	Sistem inteligent pentru realizarea ofertelor pe piața angro de energie electrică (SMARTRADE), Programul Operational Competitivitate - Axa1 (POC-A1-A1.1.4-E-2015) Tip de proiect: Proiecte CD pentru atragerea de personal cu competențe avansate din străinătate, 2016-2020, director proiect Osman Bülent TÖR, valoare 5.165.712 RON, <b>responsabil proiect ASE</b>
3	Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile, cod PN-II-PT-PCCA-2013-4-0996, PROIECTE COLABORATIVE DE CERCETARE APLICATIVĂ (PCCA2013), DOMENIUL 2 – ENERGIE, Valoare totală 1.000.000 RON, nr contract 49/2014, <b>director proiect</b>
4	Soluții informatice pentru asistarea procesului decizional în mediile incerte și cu evoluții puțin predictibile în vederea integrării în rețele de tip grid, proiect câștigat prin competiția PN2-TE, Resurse Umane, Cod 332, Valoare totală 550.000 RON, <b>director proiect</b>
<b>5.2.</b>	<b>Membru în echipă</b>
	<i>Proiect internațional</i>
1	Soluții de agregare multi-nivel pentru a facilita un răspuns optim la cererea de energie și flexibilitatea rețelei electrice (SMART-MLA), cod COFUND-ERANET-SMARTGRIDPLUS-SMART-MLA, acronim SMART-MLA, finanțat în cadrul programului PNIII - "Cooperare europeană și internațională", Orizont 2020, director proiect Simona Vasilica Oprea, Valoare totală 690.000 RON, Nr. contract: 71/01.11.2018
	<i>Proiecte naționale</i>
2	Soluții informatice pentru analiza și optimizarea consumului de energie electrică în rețele inteligente (SMART-OPTIM), cod proiect PN-III-P2-2.1-BG-2016-0286, Programului Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare, Subprogramul 2.1. Competitivitate prin cercetare, dezvoltare și inovare, Competitia Bridge Grant, perioada 2016-2018, director Simona Vasilica Oprea, valoare totală 450.000 RON
3	[RDAUT] PrO - Procesor de declarații pentru optimizarea fluxurilor administrative - PrO, contract internațional derulat cu asociația e-Caesar (consorțiu UPB-ASE-Fraunhofer Institute) nr. 765 / 28.04.2010, ianuarie 2010 – iunie 2010, valoare proiect 15.000 EUR, beneficiar Fraunhofer Institute Berlin, contract obținut fără competiție, director de proiect Radu Constantinescu, participare în faza 2010
4	Soluții informatice de asistare a procesului decizional și pentru dezvoltarea managementului bazat pe cunoștințe în instituțiile publice GRANT CNCISIS, Program Idei, PN II, cod CNCISIS 820, perioada participare 2007-2010 (3 faze), 500.000RON
5	Interferența tehnologiei BD cu platforma Java în arhitectura Grid Computing, GRANT CNCISIS (tip A) nr. 27662/04.03.2005 cod CNCISIS 1112, între Academia de Studii Economice și CNCISIS, perioada de participare 2005-2007 (3 faze), 42.000 RON
	Tehnologii informatice pentru integrarea sistemelor instituțiilor publice, GRANT CNCISIS (tip A) Tema nr. 13, Cod CNCISIS: 1118 Nr. Contract: 27662/14.03.2005 între Academia de Studii Economice și CNCISIS, perioada de participare 2005-2007 (3 faze), 45.5000 RON
<b>5.3.</b>	<b>Participare în proiecte POSDRU</b>

1	POSDRU/156/1.2/G/137499 - Dezvoltarea și modernizarea curriculei în domeniul Informaticii Economice (DEZIE) - expert 2014	
2	POSDRU/161/2.1/G/138408 - „, InfoStart – Începutul carierei tale în IT” - expert, 2014	
3	POSDRU/19/1.3/G/41140 - Management educational modern. Pregătirea și formarea continuă a resurselor umane din învățământul preuniversitar utilizând tehnici moderne de e-learning în domeniul științelor socio-umane, expert 2013	
<b>6</b>	<b>Citări in reviste ISI (extras)</b>	
	<i>Articolul citat</i>	<i>Revista si articolul in care a fost citat</i>
1	Oprea, <b>S.V.</b> , <b>Bâra</b> , A., Ifrim, G., Coroianu, L. - Day-ahead Electricity Consumption Optimization Algorithms for Smart Homes. Computers & Industrial Engineering. doi:10.1016/j.cie.2019.06.023, Elsevier, ISSN: 0360-8352, AIS 0.770 (2018), Q1	Akbari-Dibavar, Alireza; Nojavan, Sayyad; Mohammadi-Ivatloo, Behnam; et al., - Smart home energy management using hybrid robust-stochastic optimization, <b>COMPUTERS &amp; INDUSTRIAL ENGINEERING, ELSEVIER</b> Volume: 143 Article Number: 106425 Published: MAY 2020
2	Simona-Vasilica Oprea, <b>Adela Bara</b> , <i>Machine Learning Algorithms for Short-Term Load Forecast in Residential Buildings Using Smart Meters, Sensors and Big Data Solutions</i> , IEEE Access, vol. 7, no.1, ISSN 2169-3536, DOI 10.1109/ACCESS.2019.2958383, December 2019, AIS 0.599 (2020), (Q1)	Al Mamun, Abdullah; Sohel, Md; Mohammad, Naeem; et al. - A Comprehensive Review of the Load Forecasting Techniques Using Single and Hybrid Predictive Models <b>IEEE ACCESS</b> Volume: 8 Pages: 134911-134939 Published: 2020
3	S. Preda, S.V. Oprea, <b>A. Bâra</b> , A. Belciu (Velicanu)- <i>PV Forecasting Using Support Vector Machine Learning in a Big Data Analytics Context</i> , Symmetry. 2018;10(12):748 DOI 10.3390/sym10120748, WOS:000454725100086, (Q2)	Lin, Guo-Qian; Li, Ling-Ling; Tseng, Ming-Lang; et al. - An improved moth-flame optimization algorithm for support vector machine prediction of photovoltaic power generation <b>JOURNAL OF CLEANER PRODUCTION, ELSEVIER</b> Volume: 253 Article Number: 119966 Published: APR 20 2020
4	S. Preda, S.V. Oprea, <b>A. Bâra</b> , A. Belciu (Velicanu)- <i>PV Forecasting Using Support Vector Machine Learning in a Big Data Analytics Context</i> , Symmetry. 2018;10(12):748 DOI 10.3390/sym10120748, WOS:000454725100086, (Q2)	Soomro, Kamran; Bhutta, Muhammad Nasir Mumtaz; Khan, Zaheer; et al. - Smart city big data analytics: An advanced review <b>WILEY INTERDISCIPLINARY REVIEWS-DATA MINING AND KNOWLEDGE DISCOVERY</b> Volume: 9 Issue: 5 Article Number: e1319 Published: SEP-OCT 2019
5	S.V.Oprea, <b>A. Bâra</b> , G.Ifrim, <i>Flattening the electricity consumption peak and reducing the electricity payment for residential consumers in the context of smart grid by means of shifting optimization algorithm</i> , COMPUTERS & INDUSTRIAL ENGINEERING, Volume 122, August 2018, Pages 125-139, Elsevier, ISSN: 0360-8352 https://doi.org/10.1016/j.cie.2018.05.053, IF 3.195, AIS 0,770 (2018) Q1	Akbari-Dibavar, Alireza; Nojavan, Sayyad; Mohammadi-Ivatloo, Behnam; et al. - Smart home energy management using hybrid robust-stochastic optimization <b>COMPUTERS &amp; INDUSTRIAL ENGINEERING, ELSEVIER</b> Volume: 143 Article Number: 106425 Published: MAY 2020
6	S.V.Oprea, <b>A. Bâra</b> , G.Ifrim, <i>Flattening the electricity consumption peak and reducing the electricity payment for residential consumers in the context of smart grid by means of shifting optimization algorithm</i> , COMPUTERS & INDUSTRIAL ENGINEERING, Volume 122, August 2018, Pages 125-139, Elsevier, ISSN: 0360-8352 https://doi.org/10.1016/j.cie.2018.05.053, IF 3.195, AIS 0,770 (2018) Q1	Marwan, Marwan; Samman, Faizal Arya - AIR CONDITIONING LOAD CONTROL BASED ON THE NETWORK COST AND ELECTRICITY MARKET PRICE UNDER DEMAND SIDE RESPONSE MODEL <b>INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL</b> Volume: 16 Issue: 1 Pages: 223-239 Published: FEB 2020

7	S.V. Oprea, <b>A. Bâra</b> , A.Uță, A. Pîrjan, G. Căruțașu, Analyses of Distributed Generation and Storage Effect on the Electricity Consumption Curve in the Smart Grid Context, Sustainability 2018, 10, 2264; ISSN: 2071-1050 doi:10.3390/su10072264, MDPI, 2017, IF 2,075, AIS 0,322 (2017), (Q2)	Mohseni, Soheil; Brent, Alan C.; Burmester, Daniel - A demand response-centred approach to the long-term equipment capacity planning of grid-independent micro-grids optimized by the moth-flame optimization algorithm <b>ENERGY CONVERSION AND MANAGEMENT, ELSEVIER</b> Volume: 200 Article Number: 112105 Published: NOV 15 2019
8	S.V. Oprea, A. Pîrjan, G. Căruțașu, D.M. Petroșanu, <b>A. Bâra</b> , J.L. Stănică, C. Coculescu, Developing a Mixed Neural Network Approach to Forecast the Residential Electricity Consumption Based on Sensor Recorded Data, Sensors 2018, 18, 1443; doi:10.3390/s18051443, IF 2,475, AIS 0,554, (Q1)	Marinakakis, Vangelis; Doukas, Haris; Koasidis, Konstantinos; et al. - From Intelligent Energy Management to Value Economy through a Digital Energy Currency: Bahrain City Case Study <b>SENSORS</b> Volume: 20 Issue: 5 Article Number: 1456 Published: MAR 2020
9	S.V. Oprea, A. Bâra, Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania, Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101, MDPI, 2017, IF 2,676, AIS 0,468, (Q3)	Nastase, Gabriel; Serban, Alexandru; Dragomir, George; et al. - Photovoltaic development in Romania. Reviewing what has been done <b>RENEWABLE &amp; SUSTAINABLE ENERGY REVIEWS, ELSEVIER</b> Volume: 94 Pages: 523-535 Published: OCT 2018
10	A. Pîrjan, S.V. Oprea, G. Căruțașu, D.M. Petroșanu, <b>A. Bâra</b> , C. Coculescu - Devising Hourly Forecasting Solutions Regarding Electricity Consumption in the Case of Commercial Center Type Consumers, Energies 2017, ISSN 1996-1073, 10(11), 1727; (doi:10.3390/en10111727); ISSN: 1996-1073, SRI: 0.498; IF: 2.707, (Q1)	Mustapa, Rijalul Fahmi; Dahlan, Nofri Yenita; Yassin, Ahmad Ihsan Mohd; et al. - Quantification of energy savings from an awareness program using NARX-ANN in an educational building <b>ENERGY AND BUILDINGS, ELSEVIER</b> Volume: 215 Article Number: UNSP 109899 Published: MAY 15 2020
11	Oprea, S.-V., <b>Bara, A.</b> , Lungu, I. - <i>METHODS FOR ELECTRICITY LOAD PROFILE CALCULATION WITHIN DEREGULATED MARKETS</i> , 2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference SINTES 19, SACCS 15, SIMSIS 197321400, pp. 848-853	Panapakidis, I.P., Christoforidis, G.C. - IMPLEMENTATION OF MODIFIED VERSIONS OF THE K-MEANS ALGORITHM IN POWER LOAD CURVES PROFILING, <b>SUSTAINABLE CITIES AND SOCIETY, ELSEVIER</b> , volume 35, November 2017, pp. 83-93, ISSN: 2210-6707
12	<b>Bâra, A.</b> , Lungu, I., Oprea, S.V. - <i>PUBLIC INSTITUTIONS' INVESTMENTS WITH DATA MINING TECHNIQUES</i> , WSEAS Transactions on Computers, Volume 8, Issue 4, 2009, Pages 589-598, ISSN: 11092750	Liao, S.-H., Chu, P.-H., Hsiao, P.-Y. - DATA MINING TECHNIQUES AND APPLICATIONS - A DECADE REVIEW FROM 2000 TO 2011, <b>EXPERT SYSTEMS WITH APPLICATIONS, ELSEVIER</b> , 39 (12), pp. 11303-11311, ISSN: 0957-4174
13	Lungu, Ion; <b>Bara, Adela</b> ; Carutasu, George; et al. <i>PREDICTION INTELLIGENT SYSTEM IN THE FIELD OF RENEWABLE ENERGIES THROUGH NEURAL NETWORKS</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 50 Issue: 1 Pages: 85-102 Published: 2016	Liu, Ruijian; Wang, Yuhua; Zhou, Hong; et al. - Short-Term Passenger Flow Prediction Based on Wavelet Transform and Kernel Extreme Learning Machine <b>IEEE ACCESS</b> Volume: 7 Pages: 158025-158034 Published:
14	I. Lungu, M. Velicanu, <b>A. Bâra</b> , V. Diaconita - <i>Practices for designing and improving data extraction in a virtual data warehouses project</i> , INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 3 Supplement: S Pages: 36 9-374 Published: 2008, ISSN 1841-9836	Khan, Fakhri Alam; Ahmad, Awais; Imran, Muhammad; et al. - Efficient data access and performance improvement model for virtual data warehouse, <b>SUSTAINABLE CITIES AND SOCIETY</b> Volume: 35 Pages: 232-240 Published: NOV 2017
15	S.V. Oprea, A. Bâra, Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania, Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101,	Development and Calibration of an Open Source, Low-Cost Power Smart Meter Prototype for PV Household-Prosumers By: Sanchez-Sutil, F.; Cano-Ortega, A.; Hernandez,

	MDPI, 2017, IF 2,676, AIS 0,468, (Q3)	J. C.; et al. <b>ELECTRONICS</b> Volume: 8 Issue: 8 Article Number: 878 Published: AUG 2019
16	S.V. Oprea, <b>A. Băra</b> , V. Diaconita, <i>Sliding Time Window Electricity Consumption Optimization Algorithm for Communities in the Context of Big Data Processing</i> , IEEE Access, January 2019, PP:13050-13067, DOI: 10.1109/ACCESS.2019.2892902, WOS:000458177800075, AIS 0.599 (2020), (Q1)	Olivares-Rojas, Juan C.; Reyes-Archundia, Enrique; Gutierrez-Gnecchi, Jose A.; et al. - A multi-tier architecture for data analytics in smart metering systems <b>SIMULATION MODELLING PRACTICE AND THEORY, ELSEVIER</b> Volume: 102 Special Issue: SI Article Number: 102024 Published: JUL 2020
17	Lungu, Ion; <b>Bara, Adela</b> ; Carutasu, George; et al. <i>PREDICTION INTELLIGENT SYSTEM IN THE FIELD OF RENEWABLE ENERGIES THROUGH NEURAL NETWORKS</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 50 Issue: 1 Pages: 85-102 Published: 2016	Popa, Cicerone Laurentiu; Carutasu, George; Cotet, Costel Emil; et al. - Smart City Platform Development for an Automated Waste Collection System, <b>SUSTAINABILITY</b> Volume: 9 Issue: 11 Article Number: 2064 Published: NOV 2017
18	Lungu, Ion; <b>Bara, Adela</b> ; Popeanga, Janina - <i>MEASURING AND IMPROVING ENERGY EFFICIENCY INDICATORS FOR A GREENER ROMANIA</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 48 Issue: 2 Pages: 5-18 Published: 2014, ISSN: 0424-267X	Radu, Laura-Diana - DETERMINANTS OF GREEN ICT ADOPTION IN ORGANIZATIONS: A THEORETICAL PERSPECTIVE, <b>SUSTAINABILITY</b> Volume: 8 Issue: 8 Article Number: 731 Published: AUG 2016, ISSN: 2071-1050
19	Lungu, Ion; <b>Bara, Adela</b> ; Carutasu, George; et al. <i>PREDICTION INTELLIGENT SYSTEM IN THE FIELD OF RENEWABLE ENERGIES THROUGH NEURAL NETWORKS</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 50 Issue: 1 Pages: 85-102 Published: 2016	FORECASTING, VALUATION AND PORTFOLIO RETURNS OF STOCK MARKET EVOLUTION: PROBLEMS, PARADOXES AND EFFICIENT INFORMATION. WORLDWIDE IMPLICATIONS AND ROMANIAN EVIDENCE By: Turcas, Florin; Dumiter, Florin Cornel; Brezeanu, Petre; et al. <b>JOURNAL OF BUSINESS ECONOMICS AND MANAGEMENT</b> Volume: 21 Issue: 1 Pages: 87-114 Published
20	S.V.Oprea, <b>A. Băra</b> , G.Ifrim, <i>Flattening the electricity consumption peak and reducing the electricity payment for residential consumers in the context of smart grid by means of shifting optimization algorithm</i> , COMPUTERS & INDUSTRIAL ENGINEERING, Volume 122, August 2018, Pages 125-139, Elsevier, <a href="https://doi.org/10.1016/j.cie.2018.05.053">https://doi.org/10.1016/j.cie.2018.05.053</a> , IF 3.195, AIS 0,770 (2017) Q1	Garcia-Garre, Ana; Gabaldon, Antonio; Alvarez-Bel, Carlos; et al. - Integration of Demand Response and Photovoltaic Resources in Residential Segments, <b>SUSTAINABILITY</b> Volume: 10 Issue: 9 Article Number: 3030 Published: SEP 2018
21	Lungu, Ion; Velicanu, Manole; <b>Bara, Adela</b> ; et al - <i>PORTAL BASED SYSTEM INTEGRATION - FOUNDATION FOR DECISION SUPPORT</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 43 Issue: 1 Pages: 123-134 Published: 2009, ISSN: 0424-267X	Ghilic-Micu, Bogdan; Stoica, Marian; Mircea, Marinela; et al. - COST-PERFORMANCE EVALUATION ENVIRONMENT FOR THE ADOPTION OF A CASE MANAGEMENT , SOLUTION, <b>ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH</b> Volume: 44 Issue: 1 Pages: 63-79 Published: 2010, , ISSN: 0424-267X
22	A. Pîrjan, S.V. Oprea, G. Căruțașu, D.M. Petroșanu, <b>A. Băra</b> , C. Coculescu - <i>Devising Hourly Forecasting Solutions Regarding Electricity Consumption in the Case of Commercial Center Type Consumers</i> , ENERGIES, 2017, ISSN 1996-1073, 10(11), 1727; (doi:10.3390/en10111727);	Divina, Federico; Gilson, Aude; Gomez-Vela, Francisco; et al. - Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting, <b>ENERGIES</b> Volume: 11 Issue: 4 Article Number: 949 Published: APR 2018

	ISSN: 1996-1073, IF 2,676, AIS 0,468 (2017)	
23	S.V. Oprea, <b>A.Bâra</b> , A. Reveiu, <i>Informatics Solution for Energy Efficiency Improvement and Consumption Management of Householders</i> , ENERGIES, 2018, 11, article number: 138; doi:10.3390/en11010138, ISSN: 1996-1073, MDPI, Jan 2018, IF 2,676, AIS 0,468 (2017)	Kim, Nakyong; Park, Sangdon; Lee, Joohyung; et al. - Load Profile Extraction by Mean-Shift Clustering with Sample Pearson Correlation Coefficient Distance, <b>ENERGIES</b> Volume: 11 Issue: 9 Article Number: 2397 Published: SEP 2018
24	S.V. Oprea, <b>A.Bâra</b> , A. Reveiu, <i>Informatics Solution for Energy Efficiency Improvement and Consumption Management of Householders</i> , ENERGIES, 2018, 11, article number: 138; doi:10.3390/en11010138, ISSN: 1996-1073, MDPI, Jan 2018, IF 2,676, AIS 0,468 (2017)	Anh-Duc Nguyen; Van-Hai Bui; Hussain, Akhtar; et al. - Impact of Demand Response Programs on Optimal Operation of Multi-Microgrid System, <b>ENERGIES</b> Volume: 11 Issue: 6 Article Number: 1452 Published: JUN 2018
25	S.V. Oprea, <b>A.Bâra</b> , A. Reveiu, <i>Informatics Solution for Energy Efficiency Improvement and Consumption Management of Householders</i> , ENERGIES, 2018, 11, article number: 138; doi:10.3390/en11010138, ISSN: 1996-1073, MDPI, Jan 2018, IF 2,676, AIS 0,468 (2017)	Samuel, Omaji; Javaid, Sakeena; Javaid, Nadeem et al. - An Efficient Power Scheduling in Smart Homes Using Jaya Based Optimization with Time-of-Use and Critical Peak Pricing Schemes, <b>ENERGIES</b> Volume: 11 Issue: 11 Article Number: 3155 Published: NOV 2018
26	S.V. Oprea, <b>A.Bâra</b> , A. Reveiu, <i>Informatics Solution for Energy Efficiency Improvement and Consumption Management of Householders</i> , ENERGIES, 2018, 11, article number: 138; doi:10.3390/en11010138, ISSN: 1996-1073, MDPI, Jan 2018, IF 2,676, AIS 0,468 (2017)	Wang, Fei; Yu, Yili; Wang, Xinkang; et al. - Residential Electricity Consumption Level Impact Factor Analysis Based on Wrapper Feature Selection and Multinomial Logistic Regression, <b>ENERGIES</b> Volume: 11 Issue: 5 Article Number: 1180 Published: MAY 2018
27	S.V. Oprea, <b>A.Bâra</b> , <i>Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania</i> , Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101, MDPI, 2017, IF 2,676, AIS 0,468 (2017)	Kazak, Jan K.; Swiader, Malgorzata - SOLIS-A Novel Decision Support Tool for the Assessment of Solar Radiation in ArcGIS, <b>ENERGIES</b> Volume: 11 Issue: 8 Article Number: 2105 Published: AUG 2018
28	S.V. Oprea, <b>A.Bâra</b> , <i>Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania</i> , Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101, MDPI, 2017, IF 2,676, AIS 0,468 (2017)	Rosa, Carmen B.; Rediske, Graciele; Rigo, Paula D.; et al. - Development of a Computational Tool for Measuring Organizational Competitiveness in the Photovoltaic Power Plants, <b>ENERGIES</b> Volume: 11 Issue: 4 Article Number: 867 Published: APR 2018
29	S.V. Oprea, <b>A.Bâra</b> , <i>Analyses of Wind and Photovoltaic Energy Integration from the Promoting Scheme Point of View: Study Case of Romania</i> , Energies 2017, ISSN 1996-1073, 10, 2101; doi:10.3390/en10122101, MDPI, 2017, IF 2,676, AIS 0,468 (2017)	Pirjan, Alexandru; Carutasu, George; Petrosanu, Dana-Mihaela - Designing, Developing, and Implementing a Forecasting Method for the Produced and Consumed Electricity in the Case of Small Wind Farms Situated on Quite Complex Hilly Terrain <b>ENERGIES</b> Volume: 11 Issue: 10 Article Number: 2623 Published: OCT 2018
30	I Lungu, A Velicanu, <b>A. Bâra</b> , I Botha, A M Mocanu, A Tudor – <i>Spatial Databases for Wind Parks</i> ., ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 46 Issue: 2 Pages: 5-22 Published: 2012, ISSN 0424-267X, <a href="http://www.ecocyb.ase.ro/abstract2009.pdf">http://www.ecocyb.ase.ro/abstract2009.pdf</a>	Yousefi, Hossein; Hafeznia, Hamed; Yousefi-Sahzabi, Amin - Spatial Site Selection for Solar Power Plants Using a GIS-Based Boolean-Fuzzy Logic Model: A Case Study of Markazi Province, Iran, <b>ENERGIES</b> Volume: 11 Issue: 7 Article Number: 1648 Published: JUL 2018

31	S.V. Oprea, <b>A.Bâra</b> , G. Majstrovic, <i>Aspects Referring Wind Energy Integration from the Power System Point of View in the Region of Southeast Europe. Study Case of Romania</i> , <b>ENERGIES</b> , 2018, ISSN 1996-1073, 11, 251; doi:10.3390/en11010251, MDPI, 2018, IF 2,676, AIS 0,468 (2017)	Kim, Wook-Won; Park, Jong-Keun; Yoon, Yong-Tae; et al. - Transmission Expansion Planning under Uncertainty for Investment Options with Various Lead-Times, <b>ENERGIES</b> Volume: 11 Issue: 9 Article Number: 2429 Published: SEP 2018
32	Lungu, Ion; <b>Bara, Adela</b> ; Carutasu, George; et al. <i>PREDICTION INTELLIGENT SYSTEM IN THE FIELD OF RENEWABLE ENERGIES THROUGH NEURAL NETWORKS</i> , ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH Volume: 50 Issue: 1 Pages: 85-102 Published: 2016	Gabor, Manuela Rozalia; Dorgo, Lavinia Ancuta - NEURAL NETWORKS VERSUS BOX-JENKINS METHOD FOR TURNOVER FORECASTING: A CASE STUDY ON THE ROMANIAN ORGANISATION, <b>TRANSFORMATIONS IN BUSINESS &amp; ECONOMICS</b> Volume: 16 Issue: 1 Pages: 187-210 Published: 2017, ISSN: 1648-4460

**Prof. univ. dr. Adela Bâra**