



ROMÂNIA
MINISTERUL EDUCAȚIEI NAȚIONALE
ȘI CERCETĂRII ȘTIINȚIFICE
UNIVERSITATEA „VASILE ALECSANDRI”
DIN BACĂU

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**FIȘĂ DE AUTOEVALUARE ȘI DE VERIFICARE A ÎNDEPLINIRII
STANDARDELOR UNIVERSITĂȚII „VASILE ALECSANDRI” DIN BACĂU
PENTRU OCUPAREA POSTURILOR DIDACTICE**

Standarde minimale pentru ocuparea postului de **lector universitar/șef de lucrări**

Nr. crt.	Standard	Autoevaluare candidat	Verificare comisie
		Îndeplinire/ Punctaj	Îndeplinire / Punctaj
1.	Deținerea diplomei de doctor Vernica Sorin-Gabriel, 2011, „CONTRIBUȚII LA OPTIMIZAREA PARAMETRILOR ȘI REGIMURILOR DE FUNCȚIONARE A UNEI INSTALAȚII DE TURBINĂ CU GAZE”, Coordonator științific, Prof.dr.ing. Tudor SAJIN, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie. - susținere publică la Universitatea „Vasile Alecsandri” din Bacău, în 21.10.2011; - în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr. 6697 din 21.12.2011 a fost emisă diploma de doctor Seria H, Nr. 0004710/28.03.2012, în Domeniul Inginerie Mecanică.	DA	
2.	Minim: <ul style="list-style-type: none">• 5 articole publicate în reviste indexate BDI, din care minim 3 ca autor principal (definit conform reglementărilor în vigoare); Lista articolelor: 1. Hazi Gheorghe, Hazi Aneta, Manoliu Cristina, Vernica Sorin-Gabriel – „Complex Asymmetric Regimes in the 110kV Network Due to RAR Automation”, Modelling and Optimization in the Machines Building Field, Volume 1, MOCM 14, Editura ALMA MATER Bacău, 2008, ISSN 1224-7480, pp. 147-152. 2. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel , Goga Florin – „The Energetic and Exergetic Performance of Gas Turbine Cogeneration System”, Modelling and Optimization in the Machines Building Field, Volume 4, MOCM 14, Editura ALMA MATER Bacău, 2008, ISSN 1224-7480, pp. 53-58. 3. Vernica Sorin-Gabriel , Sajin Tudor – „A New Solution to Increase the Performances of Hybrid Gas and Steam Turbines Plants”, Bulletin of the	DA 0,375 0,375 0,5	

Transilvania University of Braşov, Volume 2(51), Series I, Published by Transilvania University Press Braşov, Romania, 2009, ISSN 2065-2119, pp. 449-455.		
4. Vernica Sorin-Gabriel , Sajin Tudor, Hazi Aneta, Bîrsan Cătălin – „Thermodynamic Analysis of Gas Turbine Plant with External Heat Recovery”, Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LVI(LX) Fasc. 4B, Secţia Construcţiei de Maşini, Editura POLITEHNIUM, 2010, ISSN 1011-2855, pp. 309-318.	0,25	
5. Vernica Sorin-Gabriel , Sajin Tudor – „Dimensional Analysis of the Processes in Gas Turbine Power Plant”, Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LVI(LX) Fasc. 4B, Secţia Construcţiei de Maşini, Editura POLITEHNIUM, 2010, ISSN 1011-2855, pp. 319-326.	0,5	
6. Bîrsan Cătălin, Sajin Tudor, Vernica Sorin-Gabriel – „Electrochemical Reaction and Mecanisms Generating Ozone”, Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LVI(LX) Fasc. 4B, Secţia Construcţiei de Maşini, Editura POLITEHNIUM, 2010, ISSN 1011-2855, pp. 147-154.	0,333	
7. Hazi Aneta, Hazi Gheorghe, Grigore Roxana, Vernica Sorin-Gabriel – „Sensitivity of Reliability Indicator for the Gas Turbine Cogeneration Power Plant”, Annals of DAAAM for 2010 & Proceedings of the 21 th International DAAAM Symposium, 20-23 rd October, Zadar, Croatia, 2010, ISBN 978-3-901509-73-5, ISSN 1726-9679, pp. 0633-0634, Published by DAAAM International Vienna, Austria.	0,25	
8. Vernica Sorin-Gabriel , Sajin Tudor – „Exergoeconomic Analysis of Gas Turbine Plant with External Heat Recovery”, Proceedings of the International Conference on Industrial Power Engineering. The 8-th Edition CIEI 2011, April 14-15, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2011, ISSN 2069-9905, pp. 148-153.	0,75	
9. Vernica Sorin-Gabriel , Sajin Tudor – „Exergoeconomic Optimization of Gas Turbine Plant with External Heat Recovery”, Proceedings of the International Conference on Industrial Power Engineering. The 8-th Edition CIEI 2011, April 14-15, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2011, ISSN 2069-9905, pp. 154-158.	0,75	
10. Hazi Aneta, Hazi Gheorghe, Grigore Roxana, Vernica Sorin-Gabriel – „Effects of Deterioration Equipment Reliability in a Gas Turbine Cogeneration Power Plant”, Proceedings of the 2011 10th International Conference on Environment and Electrical Engineering (EEEIC 2011), 8-11 May, Rome, Italy, 2011, ISBN 978-1-4244-8779-0, pp. 78-81, IEEE Catalog Number: CFP1151I-CDR. Indexat IEEE Xplore, DOI: http://dx.doi.org/10.1109/EEEIC.2011.5874844 .	0,25	
11. Vernica Sorin-Gabriel , Verda Vittorio, Sajin Tudor, Bîrsan Cătălin – „Exergetic Analysis of Gas Turbine Plant with External Heat Recovery”, Proceedings of 15 th International Conference Modern Technologies, Quality and Innovation – New face of TMCR (ModTech 2011), 25-27 May, Vadul lui Vodă – Chişinău, Republic of Moldova, 2011, ISSN 2069-6736, pp. 1141-1144.	0,25	

12. Vernica Sorin-Gabriel , Sajin Tudor, Bîrsan Cătălin – „The Exergetic Optimization of the Experimental Regimes for a Gas Turbine Plant”, Proceedings of 16 th International Conference Modern Technologies, Quality and Innovation – New face of TMCR (ModTech 2012), 24-26 May, Sinaia, Romania, 2012, ISSN 2069-6736, pp. 1029-1032.	0,333
13. Bîrsan Cătălin, Sajin Tudor, Vernica Sorin-Gabriel – „Modeling and Experimental Analysis of Fluid Motion in a New Type of Plasma Generator”, Proceedings of 16 th International Conference Modern Technologies, Quality and Innovation – New face of TMCR (ModTech 2012), 24-26 May, Sinaia, Romania, 2012, ISSN 2069-6736, pp. 109-112.	0,333
14. Vernica Sorin-Gabriel , Hazi Gheorghe, Hazi Aneta – „Experimental Determination of Static Characteristics of the Resistive and Lighting Loads”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le troisième colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2013), 22 Mai – 25 Mai, Bacau, Roumanie, 2013, ISSN 2343-9092, pp. 295-300.	0,666
15. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Power Transformer in Substations – Heat Source”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le troisième colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2013), 22 Mai – 25 Mai, Bacau, Roumanie, 2013, ISSN 2343-9092, pp. 98-101.	0,666
16. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „About Selectivity of Numerical Protections Against Earth Faults in Medium Voltage Networks Grounded with Petersen Coil”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le troisième colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2013), 22 Mai – 25 Mai, Bacau, Roumanie, 2013, ISSN 2343-9092, pp. 102-107.	0,666
17. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Calculation of Fault Currents in Power Distribution Networks Grounded with Petersen Coil”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le troisième colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2013), 22 Mai – 25 Mai, Bacau, Roumanie, 2013, ISSN 2343-9092, pp. 108-113.	0,666
18. Grigore Roxana, Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Some Considerations About Maintenance Optimization of Wind Power Turbines”, Proceedings of 12th International Conference on Environment and Electrical Engineering (EEEIC 2013), 5-8 May, Wroclaw, Poland, 2013, ISBN 978-1-4673-3060-2, pp. 186-190. Indexat IEEE Xplore, DOI: http://dx.doi.org/10.1109/EEEIC.2013.6549614 .	0,25
19. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Solution Heat Recovery from the Power Transformer Oil”, International Symposium on Electrical Engineering and Energy Converters, ELS 2013 – 5th Edition, 26-28 September, Suceava, Romania, 2013, Buletinul AGIR nr. 4/2013, octombrie-decembrie, ISSN-L 1224-7928, Online: ISSN 2247-3548, pp. 123-127.	0,666

<p>20. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Using the Numerical Protections for Medium Voltage Power Lines Grounded with Petersen Coil”, International Symposium on Electrical Engineering and Energy Converters, ELS 2013 – 5th Edition, 26-28 September, Suceava, Romania, 2013, Buletinul AGIR nr. 4/2013, octombrie-decembrie, ISSN-L 1224-7928, Online: ISSN 2247-3548, pp. 129-134.</p>	0,666
<p>21. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Opportunity Study for Heat Recovery from Large Power Transformers in Substations”, 5th International Conference Thermal Engines and Environmental Engineering – METIME 2013, 1-2 November, Galați, Romania, 2013, Revista Termotehnica Supliment 1/2013, ISSN-L 1222-4057, Online: ISSN 2247-1871, pp. 9-12.</p>	0,666
<p>22. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Experimental Study on Heating of Uninsulated Electrical Conductors”, 5th International Conference Thermal Engines and Environmental Engineering – METIME 2013, 1-2 November, Galați, Romania, 2013, Revista Termotehnica Supliment 1/2013, ISSN-L 1222-4057, Online: ISSN 2247-1871, pp. 79-83.</p>	0,666
<p>23. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Influence of Outdoor Temperature on Air Conditioning System”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 121-126.</p>	0,5
<p>24. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Improving Lighting Efficiency in the Substation”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 127-132.</p>	0,5
<p>25. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Configuring the Overload Protection for the Power Transformers”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 133-138.</p>	0,5
<p>26. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „The Efficiency Placement of the Capacitor in Industrial Power Systems”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 139-143.</p>	0,5
<p>27. Vernica Sorin-Gabriel, Hazi Gheorghe, Hazi Aneta – „Experimental Determination of Static Characteristics of a Motor-Generator Group and a Rectifier”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 250-255.</p>	0,5
<p>28. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe – „Experimental Determination of the Heat Recovery Boiler Effectiveness of a Gas Turbine Plant”, Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Volume 659, 2014, ISSN 1662-7482, pp. 503-508, DOI:</p>	1,333

http://www.scientific.net/AMM.659.503 .		
<p>29. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „On Modeling the Long Transmission Lines Through Equivalent Π Circuits”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le Quatrieme colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2015), 12 Juin – 15 Juin, Limoges, France, 2015, ISSN 2343-9092, pp. 61-64.</p>	<p>0,666</p>	
<p>30. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe – „Experimental Analysis of the Gas Turbine Plant with External Heat Recovery”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le Quatrieme colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2015), 12 Juin – 15 Juin, Limoges, France, 2015, ISSN 2343-9092, pp. 145-148.</p>	<p>0,666</p>	
<p>31. Grigore Roxana, Sajin Tudor, Capăt Cornelia, Vernica Sorin-Gabriel – „Validated Mathematical Model of Gas Emissions from Combustion Installations”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 43-46.</p>	<p>0,375</p>	
<p>32. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Effects of Pressure Variation on Two-Stage Compression Refrigeration with Heat Recovery”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 47-50.</p>	<p>0,5</p>	
<p>33. Hazi Aneta, Hazi Gheorghe, Vernica Sorin-Gabriel – „Heat Recovery Opportunities in a Refrigeration System”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 51-55.</p>	<p>0,5</p>	
<p>34. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Configuring Method of the Numerical Protections in the Power Systems”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 56-64.</p>	<p>0,5</p>	
<p>35. Sajin Tudor, Grigore Roxana, Vernica Sorin-Gabriel – „Validated Diagram to Determine the Efficiency and the Excess Air Factor in the Combustion Installations of Heating Stations and Rooftops”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 105-110.</p>	<p>0,5</p>	
<p>36. Sajin Tudor, Grigore Roxana, Vernica Sorin-Gabriel – „Diagram for Graphical Determination of Efficiency and of Excess Air Factor of Combustion Installation in Function of Measured Values of Oxygen Concentration in the flue Gases and Their Temperature”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 111-116.</p>	<p>0,5</p>	

<p>37. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe – „Experimental Determination of Thermal and Electrical Efficiencies of Gas Turbine Plant”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 135-138.</p>	0,5	
<ul style="list-style-type: none"> • 1 articol publicat într-o revistă cotată ISI (article/review/proceedings paper/book review); 	DA	
<p><i>Lista articolelor:</i></p>		
<p>1. Hazi Aneta, Hazi Gheorghe, Grigore Roxana, Vernica Sorin-Gabriel – „Opportunity to Use PVT Systems for Water Heating in Industry”, Applied Thermal Engineering, Elsevier, Volume 63, Issue 1, 2014, ISSN 1359-4311, pp. 151-157, Article ISI Factor de Impact 3,043, DOI: http://dx.doi.org/10.1016/j.applthermaleng.2013.11.010.</p>	7,5	
<p>2. Melli Roberto, Verda Vittorio, Vernica Sorin-Gabriel – „A Thermo-economic-Artificial Intelligence Combined Approach to the Diagnosis of Energy Systems”, Proceedings of IMECE 2011: ASME International Mechanical Engineering Congress & Exposition, Volume 4: Energy Systems Analysis, Thermodynamics and Sustainability, 11-17 November, Denver, Colorado, USA, 2011, Paper no. IMECE2011 – 65396, ISBN 978-0-7918-5490-7, pp. 247-254, DOI: http://dx.doi.org/10.1115/IMECE2011-65396, Proceedings Paper ISI.</p>	2,333	
<ul style="list-style-type: none"> • 3 prezentări la conferințe internaționale. 	DA	
<p><i>Lista prezentărilor:</i></p>		
<p>1. Vernica Sorin-Gabriel, Sajin Tudor, Hazi Aneta, Bîrsan Cătălin – „Thermodynamic Analysis of Gas Turbine Plant with External Heat Recovery”, The 4TH International Conference on Advanced Concepts on Mechanical Engineering, 17 -18 June, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Tomul LVI(LX) Fasc. 4B, Secția Construcții de Mașini, Editura POLITEHNIUM, 2010, ISSN 1011-2855, pp. 309-318.</p>	0,5	
<p>2. Vernica Sorin-Gabriel, Sajin Tudor – „Dimensional Analysis of the Processes in Gas Turbine Power Plant”, The 4TH International Conference on Advanced Concepts on Mechanical Engineering, 17 -18 June, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Tomul LVI(LX) Fasc. 4B, Secția Construcții de Mașini, Editura POLITEHNIUM, 2010, ISSN 1011-2855, pp. 319-326.</p>	0,5	
<p>3. Vernica Sorin-Gabriel, Sajin Tudor – „A New Solution to Increase the Performances of Hybrid Gas and Steam Turbines Plants”, Bulletin of the Transilvania University of Brașov, Volume 2(51), Series I, Published by Transilvania University Press Brașov, Romania, 2009, ISSN 2065-2119, pp. 449-455.</p>	0,5	
<p>4. Vernica Sorin-Gabriel, Sajin Tudor – „Exergoeconomic Analysis of Gas Turbine Plant with External Heat Recovery”, Proceedings of the International Conference on Industrial Power Engineering. The 8-th Edition CIEI 2011, April 14-15, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2011, ISSN 2069-9905, pp. 148-153.</p>	0,5	
<p>5. Vernica Sorin-Gabriel, Sajin Tudor – „Exergoeconomic Optimization</p>	0,5	

	<p>of Gas Turbine Plant with External Heat Recovery”, Proceedings of the International Conference on Industrial Power Engineering. The 8-th Edition CIEI 2011, April 14-15, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2011, ISSN 2069-9905, pp. 154-158.</p> <p>6. Vernica Sorin-Gabriel, Hazi Gheorghe, Hazi Aneta – „Experimental Determination of Static Characteristics of the Resistive and Lighting Loads”, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Le troisième colloque francophone PLUridisciplinaire sur les Matériaux, l’Environnement et l’Electronique (PLUMEE 2013), 22 Mai – 25 Mai, Bacau, Roumanie, 2013, ISSN 2343-9092, pp. 295-300.</p> <p>7. Vernica Sorin-Gabriel, Hazi Gheorghe, Hazi Aneta – „Experimental Determination of Static Characteristics of a Motor-Generator Group and a Rectifier”, Proceedings of the International Conference on Industrial Power Engineering. The 9-th Edition CIEI 2014, May 22-24, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2014, ISSN 2069-9905, pp. 250-255.</p> <p>8. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe – „Experimental Determination of Thermal and Electrical Efficiencies of Gas Turbine Plant”, Proceedings of the 10th International Conference on Industrial Power Engineering CIEI 2016, June 2-4, Printed by: „ALMA MATER” Publishing House, Bacău, Romania, 2016, ISSN 2069-9905, pp. 135-138.</p>	<p>0,5</p> <p>0,5</p> <p>0,5</p>	
3.	<p>Cel puțin un material didactic pentru uzul studenților în domeniul postului scos la concurs (monografii, cărți, note de curs, caiet de seminar, caiet de laborator, îndrumar de practică). <i>Lista materialelor publicate:</i></p> <p>1. Vernica Sorin-Gabriel, Hazi Gheorghe – „Rețele electrice – Lucrări practice”, Editura Pim, Iași, 2013, ISBN 978-606-13-1451-5, pag. 190.</p> <p>2. Hazi Aneta, Grigore Roxana-Margareta, Vernica Sorin-Gabriel – „Echipamente și instalații termice. Aplicații”, Editura Pim, Iași, 2015, ISBN 978-606-13-2489-7, pag. 174.</p> <p>3. Sajin Tudor, Buzdugă Ștefania Roxana, Vernica Sorin-Gabriel – „Termoeconomie: tehnici de simulare și de studiu experimental: (ghid practic și îndrumar de laborator la disciplina Termoeconomie)”, Editura Alma Mater, Bacău, 2012, ISBN 978-606-527-198-2, pag. 154.</p> <p>4. Vernica Sorin-Gabriel, Sajin Tudor – „Contribuții la optimizarea parametrilor și regimurilor de funcționare a unei instalații de turbine cu gaze. Rezultate numerice”, Simpozion de comunicări științifice pentru diseminarea rezultatelor obținute de doctoranzi în cadrul programului doctoral „Burse Doctorale – O Investiție în Inteligență” (BRAIN) POSDRU/6/1.5/S/9, Volum: Proiectul BRAIN – rezultate obținute la Universitatea „Vasile Alecsandri” din Bacău. Februarie 2011, Editura Alma Mater Bacău, Universitatea „Vasile Alecsandri” din Bacău, Școala de Studii Doctorale, 28 februarie, Bacău, Romania, 2011, ISBN 978-606-527-111-1, pag. 151-165.</p>	<p>DA</p> <p>3,166</p> <p>1,933</p> <p>1,711</p> <p>0,25</p>	
4.	<p>Alte criterii relevante considerate de candidat:</p> <p>Brevete de invenție</p> <p>1. Vernica Sorin-Gabriel, Sajin Tudor, Nedelcu Dragoș Iulian, Bîrsan</p>	<p>2,143</p>	

Cătălin, Ostahie Constantin Narcis, Aniței Florin, Mărian Marius Gheorghe – „Instalație combinată de turbine cu gaze și cu abur”, Brevet de invenție nr. 126050/30.10.2013, Cl. Int. ⁷ F01K 23/10, F01K 25/10, F17C 9/04, OSIM Romania.	
2. Bîrsan Cătălin, Sajin Tudor, Mărian Marius Gheorghe, Nedelcu Dragoș Iulian, Ostahie Constantin Narcis, Vernica Sorin-Gabriel , Aniței Florin – „Generator de ozon”, Brevet de invenție nr. 125845/30.10.2012, Cl. Int. ⁷ C01B 13/11, H01T 19/00, H01T 19/04, B01J 19/08, OSIM Romania.	2,143
3. Mărian Marius Gheorghe, Sajin Tudor, Ostahie Constantin Narcis, Vernica Sorin-Gabriel , Aniței Florin, Bîrsan Cătălin, Nedelcu Dragoș Iulian – „Microcentrală hidroelectrică”, Brevet de invenție nr. 125723/30.04.2013, Cl. Int. ⁷ E02B 9/02, OSIM Romania.	2,143
4. Nedelcu Dragoș Iulian, Sajin Tudor, Vernica Sorin-Gabriel , Aniței Florin, Mărian Marius Gheorghe, Bîrsan Cătălin, Ostahie Constantin Narcis – „Instalație pentru conversia energiei valurilor”, Brevet de invenție nr. 125676/28.06.2013, Cl. Int. ⁷ F03B 13/12, OSIM Romania.	2,143
5. Ostahie Constantin Narcis, Sajin Tudor, Aniței Florin, Mărian Marius Gheorghe, Nedelcu Dragoș Iulian, Vernica Sorin-Gabriel , Bîrsan Cătălin – „Electrofiltru pentru lichide dielectrice”, Brevet de invenție nr. 125825/30.08.2013, Cl. Int. ⁷ B03C 5/00, OSIM Romania.	2,143
6. Bîrsan Cătălin, Sajin Tudor, Aniței Florin, Mărian Marius Gheorghe, Nedelcu Dragoș Iulian, Ostahie Constantin Narcis, Vernica Sorin-Gabriel – „Generator de ozon”, Brevet de invenție nr. 125844/30.03.2016, Cl. Int. ⁷ C01B 13/11, OSIM Romania.	2,143
7. Ostahie Constantin Narcis, Sajin Tudor, Morgan Hywel, Nedelcu Dragoș Iulian, Bîrsan Cătălin, Vernica Sorin-Gabriel , Mărian Marius Gheorghe – „Electroseparator de particule din lichide dielectrice”, Brevet de invenție nr. 127876/30.08.2016, Cl. Int. ⁷ B03C 5/02, OSIM Romania.	2,143
Contracte de cercetare	
1. Hazi Gheorghe, Hazi Aneta, Popa Sorin, Vernica Sorin-Gabriel – „Studiu privind analiza asistată de calculator a riscului producerii loviturilor directe de trăsnet în stația 220/110/20kV Focșani Vest”, contract de cercetare nr.144/5/30.06.2008, Beneficiar: C.N. TRANSELECTRICA S.A., Sucursala de Transport Bacău, membru în colectivul de cercetare.	4,444
2. Hazi Gheorghe, Popa Sorin, Hazi Aneta, Vernica Sorin-Gabriel , Stanciu Bogdan – „Organizarea și funcționarea sistemului de teleconducere al instalațiilor RET. Amenajare CTSI”, contract de cercetare nr.532/04.02.2009, Beneficiar: S.C. SMART S.A., Sucursala Bacău, membru în colectivul de cercetare.	1,9
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4. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Modificare caiet de sarcini – Sistem de centralizare și transmisii date de monitorizare, protecții și teleconducere din stațiile modernizate ale ST Bacău”, contract	0,625

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5. Hazi Gheorghe, Hazi Aneta, Vernica Sorin-Gabriel – „Asistență tehnică – S.C. Electro Standard S.R.L. Bacău”, contract de cercetare nr.2/11.06.2012, Beneficiar: S.C. Electro Standard S.R.L. Bacău, membru în colectivul de cercetare.	0,625	
6. Grigore Roxana-Margareta, Sajin Tudor, Vernica Sorin-Gabriel – „Studiu privind realizarea metodologiei de calcul pentru auditul termoenergetic de tip industrial al unei clădiri pentru activități comerciale”, contract de cercetare nr.5/19.03.2015, Beneficiar: S.C. Total Energy Solutions S.R.L. Iași, membru în colectivul de cercetare.	1,125	
Articole publicate în volume ale unor manifestări științifice naționale sau internaționale		
1. Vernica Sorin-Gabriel , Sajin Tudor - „The Energetic Analyze and Optimization of the Steam Turbine Plant”, 7 th National Conference on Industrial Energetics with International Paticipation CNEI 2009, November 5-7, Printed by: Editura ALMA MATER Bacău, 2009, ISBN 978-606-527-050-3, pp. 229-234.	0,3	
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3. Ally Moonis R., Munk Jeffrey D., Baxter Van D. – „Data, Exergy, and Energy Analyses of a Vertical-Bore, Ground-Source Heat Pump for Domestic Water Heating Under Simulated Occupancy Conditions”, Applied Thermal Engineering, Volume 89, 2015, ISSN 1359-4311, pp. 192-203.	2	
4. Ozturk Murat – „Energy and Exergy Analysis of a Combined Ground Source Heat Pump System”, Applied Thermal Engineering, Volume 73, 2014, ISSN 1359-4311, pp. 362-370.	2	
5. Ji Jie, Guo Chao, Sun Wei et al. – „Experimental Investigation of Tri-Functional Photovoltaic/Thermal Solar Collector”, Energy Conversion and Management, Volume 88, 2014, ISSN 0196-8904, pp. 650-656.	2	
6. Shan Feng, Tang Fang, Cao Lei et al. – „Comparative Simulation Analyses on Dynamic Performances of Photovoltaic-Thermal Solar Collectors with Different Configurations”, Energy Conversion and Management, Volume 87, 2014, ISSN 0196-8904, pp. 778-786.	2	
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	PUNCTAJ TOTAL	81,907

Data completării,

10.01.2017

Semnătura,

Asist.univ.dr.ing. Vernica Sorin-Gabriel

Comisia de concurs

Președinte

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Membri

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