

**ANEXA TEZEI DE ABILITARE CU UN PORTOFOLIU DE 10 LUCRARI
STIINTIFICE CONSIDERATE RELEVANTE DE CATRE CANDIDAT SI
ELABORATE CONFORM ART.2, ALINIAT k)**

- 1 **Ioan Așchilean**, Ioan Giurca, *Choosing a Water Distribution Pipe Rehabilitation Solution Using the Analytical Network Process Method*. MDPI, Water (ISSN 2073-4441), aprilie 2018, 10(4), 484; doi:10.3390/w10040484. **Factor de impact 2,069** (2017); <https://www.mdpi.com/2073-4441/10/4/484>
- 2 **Ioan Așchilean**, Mihai Iliescu, Nicolae Ciont, Ioan Giurca, *The Unfavourable Impact of Street Traffic on Water Distribution Pipelines*. MDPI, Water (ISSN 2073-4441), august 2018, 10(8), 1086; <https://doi.org/10.3390/w10081086>. **Factor de impact 2,069** (2017); <https://www.mdpi.com/2073-4441/10/8/1086>
- 3 **Ioan Așchilean**, Gabriel Rasoi, Maria Simona Raboaca, Constantin Filote, Mihai Culcer. *Design and Concept of an Energy System Based on Renewable Sources for Greenhouse Sustainable Agriculture*. Energies (ISSN 1996-1073), mai 2018, 11, 1201; doi:10.3390/en11051201. **Factor de impact 2,676** (2017). Articolul este disponibil la <http://www.mdpi.com/1996-1073/11/5/1201>
- 4 **Ioan Așchilean**, Mihai Varlam, Mihai Culcer, Mariana Iliescu, Mircea Raceanu, Adrian Enache, Maria Simona Raboaca, Gabriel Rasoi, Constantin Filote. *Hybrid Electric Powertrain with Fuel Cells for a Series Vehicle*. MDPI, Energies (ISSN 1996-1073), mai 2018, 11(5), 1294; doi.org/10.3390/en11051294 **Factor de impact 2,676** (2017). Articolul este disponibil la <https://www.mdpi.com/1996-1073/11/5/1294>.
- 5 **Ioan Așchilean**, Gheorghe Badea, Ioan Giurca, George Sebastian Naghiu, Florin George Iloaie, *Choosing the optimal technology to rehabilitate the pipes in water distribution systems using the AHP method*, Facultatea de Inginerie a Instalatiilor, Universitatea Tehnica de Constructii Bucuresti. Titlul volumului: Energy Procedia 112 (2017). EENVIRO 2016, 26-28 October 2016, Bucuresti, Romania, pp 19 – 26, Ed. ELSEVIER. ISSN 1876-6102. DOI: <https://doi.org/10.1016/j.egypro.2017.03.1055>. Articolul este indexat in Scopus si in ISI Proceeding.
- 6 Gheorghe BADEA, George Sebastian NAGHIU, Raluca - Andreea FELSEGHI, Simona RĂBOACĂ, **Ioan AȘCHILEAN**, Ioan GIURCA – *Multi-criteria analysis on how to select solar radiation hydrogen production system* - 10-a ediție a Conferinței Internaționale în Izotopi și Molecule (PIM 2015). DOI: <https://doi.org/10.1063/1.4938449>. Articolul este indexat in Scopus si in ISI Proceeding.
- 7 Gheorghe Badea, Raluca - Andreea Felseghi, **Ioan Așchilean**, Andrei Bolboacă, Dan Mureșan, Teodora Melania Șoimoșan, Ioan Ștefănescu, Maria Simona Răboacă, *Energen System for Power Supply of Passive House. Case Study*. 2nd Int. Conference on Mathematics and Computers in Sciences and Industry, Sliema, Malta, 2015, IEEE Explore 2016, doi: 10.1109/MCSI.2015.31. Articolul este indexat in Scopus si in ISI Proceeding.
- 8 Ioan Giurca, **Ioan Așchilean**, George Sebastian Naghiu, Gheorghe Badea, *Selecting the Technical Solutions for Thermal and Energy Rehabilitation and Modernization of Buildings*. 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Târgu Mureș, Romania. Procedia Technology Vol. 22, 2016, pp. 789-796. <http://www.sciencedirect.com/science/article/pii/S2212017316000517>. Articolul este indexat in Scopus si in ISI Proceeding.

9 Gheorghe Badea, Raluca-Andreea Felseghi, Maria Simona Răboacă, **Ioan Așchilean**, Dan Mureșan, George Sebastian Naghiu, *Performance of Fuel Cell for Energy Supply of Passive House*, Proceedings of the 10th Int. Conference on Processes in Isotopes and Molecules - PIM 2015. <https://doi.org/10.1063/1.4938448>. Articolul este indexat in Scopus si in ISI Proceeding.

10 Gheorghe Badea, Raluca-Andreea Felseghi, **Ioan Așchilean**, Simona Răboacă, Teodora Melania Șoimoșan, *The role of hydrogen as a future solution to energetic and environmental problems for residential buildings*, Proceedings of the 11th Int. Conference on Processes in Isotopes and Molecules - PIM 2017. <https://doi.org/10.1063/1.5018277>

