

## List 2

### MANUSCRIPTS FROM CSD2021 SENT FOR PUBLICATION TO THE SECTIONS OF THE BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI (BIPI)

**BIPI Section: ELECTRICAL ENGINEERING. ENERGETICS. ELECTRONICS**

<http://www.bulipi-eee.tuiasi.ro>

Sent on: 11.10.2021

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	Authors	Manuscript	Conference section
1.	Andrei Lazar	The multi-sensory experience enabled by using state-of-the-art technology in luminaires	Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology
2.	Mihaela Popa	Carbon offset calculators	
3.	Mostafa Abotaleb, Janusz Mindykowski, Boleslaw Dudojc And Romuald Masnicki	Digital communication links cooperating with the Analog 4-20 MA standard for marine applications	
4.	Sofia Hustiu, Cristian Mahulea, Marius Kloetzer, Octavian Păstrăvanu	Prerequisites to design a collision free trajectory in a 3D dynamic environment for an UAV	
5.	Achirei Stefan-Daniel	Short literature review for visual scene understanding	
6.	Roman Nechifor Madalina	An application to estimate the potential of rooftop photovoltaic power generation for a residential building	
7.	Marian Atanasoaei, Maricel Adam, Mihai Andrusca, Alin Dragomir, Cosmin Nistor Deac	Aspects regarding the use of electronic power devices in power grid	

**BIPI section: MATERIALS SCIENCE AND ENGINEERING**

<https://sim.tuiasi.ro/cercetare/publicatii/buletinul-institutului-politehnic-din-iasi-bipi/>

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	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
1.	Ilie Cojocariu	Nanotechnologies and nanomaterials used in heritage conservation and restoration: from red iron rust to black magnetite dust	Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
	Lenuța Ciurcă, Bogdan Pricop, Nicanor Cimpoșu, Maricel Agop, Leandru-Gheorghe Bujoreanu	Creep behaviour of a FeMn shape memory alloy	
	Ahmad Awana, Laura Geambazu, Adnan. I. Zaid, Ioana Csaki	Comparison Between the Effect of Molybdenum Addition to Aluminum Grain Refined by Titanium Plus Boron On its Hardness	

**BIPI Section: CHEMISTRY AND CHEMICAL ENGINEERING**

<http://www.bipic.icpm.tuiasi.ro/>

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	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
1.	Coșbuc Ersilia Daniela, Ungureanu-Comăniță Elena-Diana, Gavrilescu Maria	Food waste: current trends, global perspectives and impacts	Chemistry; Chemical engineering; Environmental engineering

**BIPI Section:**

<https://cmmi.tuiasi.ro/tome-67-71-number-2-2021/>

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	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
1.	Carmen Botezatu, Adelina Hrițuc, Ionuț Condrea, Bogdan Oroian, Marius Boca, Laurențiu Slătineanu	Educational approaching management of the chemical engraving process	Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
2.	Georgiana-Alexandra Moroșanu, Virgil-Gabriel Teodor, Nicolae Oancea	Profiling of the generating rack of an ordered curl known in discrete form by the virtual pole method	
3.	Mihai-Vasile Roman, Daniela Popescu	Effect of anti-corrosion treatment applied to diesel injector nozzles	
4.	Kamil Lysek, Aleksander Gwazda, Krzysztof Herbuś	Modal analysis - design optimization by selecting material parameters	
5.	Kamil Lysek, Aleksander Gwazda, Krzysztof Herbuś	The stress analysis of the milling machine structure	
6.	Daniela Gabriela Ciobanu Iorgoia	Preliminary approach in the study of the process of manufacturing by electrochemical erosion	
7.	Anca Bleoju, Gabriel-Emil Pruteanu, Costel-Iulian Mocanu	The opportunity of high strength steels utilization for a vlcc fore peak structure	

**BIPI Section: TEXTILES – LEATHER**

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	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
1.	Lucia-Oana Secareanu, Mirela Blaga	Review on different types of clays and their use as antimicrobial agents for cosmetic textiles	Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
2.	Aliona Raru, Elena Florea-Burduja, Daniela Farîma, Marcela Irovan	Textile products for people with disabilities by breast cancer (current stage)	
3.	Viorica Comșa, Ion Verzea	Virtual organizing – current trend in the challenging situation of today	
4.	Elena Florea-Burduja, Aliona Raru, Daniela Farîma, Marcela Irovan	The analysis of the assortment of products for people with lower limb amputations (current stage)	
5.	Mitrea Curpanaru Gabriela-Livia	The role of school managers in implementing the quality of education	
6.	Mitrea Curpanaru Gabriela-Livia	Application of total quality management (TQM) in education	
7.	Andreea Nistorac	Study of green deal neutral climate targets with respect to carbon dioxide emissions in the European Union	
8.	Daniela Solovastru Ivan, Ion Verzea	Analysis of the risk management model in the territorial administrative units	
9.	Camelia Angelica Dâmbean, Rozalia Manuela Gabor	Emotional intelligence and occupational stress, consequences in human resource management in industry	
10.	Ioan David Legman, Rozalia Manuela Gabor		

**BIPI Section: HYDROTECHNICS****Sent on: 11.10.2021****Editor: Prof. Gabriela Biali****E-mail: [gabriela.biali@academic.tuiasi.ro](mailto:gabriela.biali@academic.tuiasi.ro)**

	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
	Sticea Ștefan-Andrei , Luca Mihail	Studies and research on water losses from irrigation systems	<b>Civil Engineering and Installations</b>
	Sergiu Popescu, Mihail Luca	Initial data analysis for the establishment of the agricultural cadastral system in Straseni district, the Republic of Moldova	
	Sion Paul Vivian, Luca Mihail	Ecological state considerations of the Moldova river in the Cordun area	
	Prăjanu Costel-Cătălin, Stătescu Florian, Toma Daniel, Vîrlan (Toma) Cristina-Mihaela	The dissolved oxygen concentration (DO) from an A2/o bioreactor supplied with counter current oxygen	

**BIPI Section: CONSTRUCTIONS and ARCHITECTURE**<http://www.bipcons.ce.tuiasi.ro/>**Sent on: 11.10.2021****Editor: Lecturer Ionut Ovidiu Toma****E-mail: [ionut-ovidiu.toma@academic.tuiasi.ro](mailto:ionut-ovidiu.toma@academic.tuiasi.ro)**

	<b>Authors</b>	<b>Manuscript</b>	<b>Conference section</b>
	Albu Doina-Cezara	Use of limestone blocks in constructions in the Republic of Moldova	