Pryazovskyi State Technical University



Ivan Sili

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RESEARCHER DATA	https://orcid.org/0000-0002-6603-2174 https://www.scopus.com/authid/detail.uri?authorId=58169048100 https://scholar.google.ru/citations?user=4BatkJYAAAAJ https://www.researchgate.net/profile/Ivan-Sili
SCIENTIFIC INTERESTS / RESEARCH AREAS	Electronics for Implants Development of Medical Devices Based on AVR Microcontrollers Wireless Communications in Biomedical Systems Impact of Electromagnetic Radiation on Biological Objects
ACADEMIC DISCIPLINES	Theory of Biomedical Signals Biomedical Electronics Design of Biomedical Equipment Microprocessor-based Medical Technology Design of Biotechnical Systems
EDUCATION	2007 - 2013 - Tavria State Agrotechnological University. Master's degree. Specialty - Energy in Agricultural Production. Qualification - Engineer-Researcher in Agricultural Production Energy. Diploma АР №44078876. 27.02.2013.
ACADEMIC TITLES	2023 – Associate Professor at the Department of Biomedical Engineering, Pryazovskyi State Technical University. Associate Professor's Certificate АД №013807 25.10.2023.
LABOR ACTIVITY INFORMATION (THE LAST 5 YEARS)	01.10.2019 – nowadays - Associate Professor at the Department of Biomedical Engineering, Pryazovskyi State Technical University. 25.09.2018 – 20.09.2019 - Tavria State Agrotechnological University - Senior Lecturer at the Department of Electrical Power Engineering and Automation.

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OTHER POSITIONS AND ACTIVITIES	Member of the public organization "Ukrainian Association of Biomedical Engineers and Technologists."
CERTIFICATION TRAININGS (FOR THE LAST 5 YEARS)	2023. Certificate № КПК 70-23 dated July 18, 2023, attesting to the successful completion of the course "Current Issues in Preparing the Accreditation Educational Program Guarantor" with a duration of 90 hours (3 ECTS credits), organized from March 15, 2023, to June 15, 2023, by Pryazovskyi State Technical University (Mariupol/Dnipro). 2021. International internship in Poland, Cracow, November 2021 (30 hours, 1 ECTS credit) as part of the international youth project "Techno-Bridge," at Cracow University of Technology. Certificate No. TB-21/08, November 18, 2021, to November 24, 2021. 2021. Professional development at the Department of Biomedical Engineering and Theoretical Electrical Engineering, Petro Vasylenko Kharkiv National Technical University of Agriculture, from December 01, 2020, to January 29, 2021. 6 ECTS credits (180 hours). Topic: Application of Innovative Technologies in Teaching Disciplines within the field of 163 Biomedical Engineering. Certificate of Professional Development. СПК 00493741/1184-21. 2019. International internship in Przeworsk, Poland, April 2019 (180 hours, 5 ECTS credits) on the topic "Modern teaching methods on the EU educational market" organized by the Higher School of Social and Economic in Przeworsk. Certificate №IFC-WSSG WK 2019-293, 12.04.2019-26.04.2019.
PARTICIPATION IN INTERNATIONAL PROJECTS	2021. Erasmus K1: «Bio-Art». Mentor for an international student competition. 2021. International youth project "Techno-Bridge," Cracow University of Technology, 18.11.2021-24.11.2021.
LANGUAGES	Native language: Ukrainian, C1 Foreign languages: Russian, C1. English, B2
PUBLICATIONS	**Total number: 100** **In the last 5 years: 72**

1. Chabak, Y.; Petryshynets, I.; Efremenko, V.; Golinskyi, M.; Shimizu, K.; Zurnadzhy, V.; Sili, I.; Halfa, H.; Efremenko, B.; Puchy, V. Investigations of Abrasive Wear Behaviour of Hybrid High-Boron Multi-Component Alloys: Effect of Boron and Carbon Contents by the Factorial Design Method. Materials 2023, 16, 2530. https://doi.org/10.3390/ma16062530/.
2. Electronic Deformation Measurement System for Prosthetic Limb Systems. O. Yu. Azarkhov, I. I. Sili, B. V. Yefremenko. Scientific Bulletin of Tavria State Agrotechnological University, Zaporizhzhia: Tavria State Agrotechnological University, 2023. Vol. 13, part 2. URL: https://oj.tsatu.edu.ua/index.php/visnik/article/view/435 DOI: 10.31388/2220-8674-2023-2-40.

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3. Disinfecting UV-C Mobile Robot. O. Yu. Azarkhov, I. I. Sili. Scientific Bulletin of Tavria State Agrotechnological University: an electronic scientific professional publication by TSATU; edited by V. M. Kyurchev, D.Sc., Professor. – Melitopol: TSATU., 2022. – Vol. 12, part 3, p. 304 - 311. DOI: 10.31388/2220-8674-2022-3-29.
4. Research on Electromagnetic Pollution from 750 kV Power Transmission Lines. Scientific Bulletin of Tavria State Agrotechnological University: an electronic scientific professional publication by TSATU; edited by V. M. Kyurchev, D.Sc., Professor. – Melitopol: TSATU., 2021. – Vol. 11, part 2. DOI: 10.31388/2220-8674-2021-2-35.
5. Development of a Digital Fetal Pulse Meter Model. I. I. Sili, O. Yu. Azarkhov. Scientific Bulletin of Tavria State Agrotechnological University. Melitopol: TSATU., 2021. Vol. 11, part 1. URL: http://www.tsatu.edu.ua/tstt/wp-content/uploads/sites/6/naukovyj-visnyk-tdatu-2021-vypusk-11-tom-1.pdf. DOI: 10.31388/2220-8674-2021-1-35.
6. Air Dehumidifier based on Peltier Element and Arduino. V. S. Voloshyn, O. Yu. Azarkhov, I. I. Sili - Medical Informatics and Engineering., 2020. – Vol. (2). – p. 90-95. https://doi.org/10.11603/mie.1996-1960.2020.2.11180.

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