

A N E X A 4 . 1

Nume Prenume: STĂNESCU Mariana Mirela
Gradul didactic: Șef de Lucrări
Facultatea: Facultatea de Științe Aplicate
Departamentul: Fizica

L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

A1. ABORDAREA INTERDISCIPLINARĂ A SEMNALELOR BIOELECTRICE-2012

B. Cărți si capitole în cărți publicate în ultimii 10 ani

B1. -

B2. -

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C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

C1. Stănescu, M.M.- *A simplified protocol to analyse the EMG parameters in brachioradialis contraction-* Romanian Reports in Physics, Vol. 65, No. 2, P. 446–455, **2013**, Factor de impact 2018 - 1.940, WOS:000320737400013

Citări:2

C2. Stănescu, M.M.- *The advantages of using sensors in Project-Based Learning of sciences,* Proceedings of The 12th International Conference on Virtual Learning, 2017, p. 498-503, ISSN: 1844-8933, WOS:000419928200071

Citări:2

C3. Chilom,C.G., Bacalum,M., Stănescu, M.M., Florescu,M., *Insight into the interaction of human serum albumin with folic acid: a comparative biophysical study,* Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol. 204, 5 November 2018, Pag. 648-656, ISSN: 1386-1425, factor de impact 2019-3.232, WOS:000442063000082

Citări:52

C4.Falahati Mojaveri, E.R., Buzatu, T., Butu, M., Petrescu, M.I., Niculescu, F., Iacob, G., Stănescu, M.M. , *Recovery of copper by electrolysis of solutions obtained from the solubilization of polymetallic concentrates from WPCBs,* University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science, Volume 81, Issue: 4 , Pag.**2019**, 227-236 , WOS:000501994100021

C5. Stănescu, M.M., *Exploring interactive simulations as a powerful tool in STEM- PBL approach in Physics*, European Scientific Journal, **July 2020** edition Vol.16, No.21, pag.1-11, indexat EBSCO, GoogleScholar, Index Copernicus, s.a.

C6. Stănescu, M.M., [*Exploring CWT based algorithm as additional and accurate tool for detecting ECG abnormalities*](#)- Acta Technica Corviniensis-Bulletin of Engineering, TOME XIII [2020] | FASCICULE 4 [October – December]

C7. Niculescu , E.L.,s.a. *Thermodynamic calculation of the binary systems bi-sn by implementing a JAVA interface*, U.P.B. Sci. Bull., Series B, Vol. 83, Iss. 1, 2021

Citări:2

C8. Petcu, C., Radoi, A., Meche, M. I., Toma, A., & Stanescu, M. M. (2022). It's All A Game: Strategies And Scenarios In Open Sharing Spectrum, Journal of Eastern Europe Research in Business and Economics <http://ibimapublishing.com/articles/JEERBE/2022/629286/> Vol. 2022 (2022), Article ID 629286, 9 pages, ISSN: 2169-0367 DOI: 10.5171/2022.629286.....

C.9 Postavaru, O., Stanescu, M.M. Chaotic Zeeman effect: a fractional diffusion-like approach. *Sci Rep* **14**, 6356 (2024). <https://doi.org/10.1038/s41598-024-57011-3>

Citări:1

C.10. Gh. Iacob, V. Ghica, M. Petrescu, F. Niculescu, M. Buțu, C. Stăncel, M. Stănescu, A. Ilie- RESEARCH ON THE DEVELOPMENT AND CHARACTERIZATION OF Bi-Sn, Bi-Sn-Sb AND Bi-Sn-Ag SOLDER ALLOYS- U.P.B. Sci. Bull., Series B, Vol. 86, Iss. 1, 2024.

C.11. Niculescu, F.; Pencea, I.; Iacob, G.; Ghiță, M.; Stănescu, M.-M.; Petrescu, M.-I.; Niculescu, E.-L.; Buțu, M.; Stăncel, C.-D.; Șerban, N.; et al. Thermodynamic Assessment of Molten Bi_x-Sn_{1-x} (x = 0.1 to 0.9) Alloys and Microstructural Characterization of Some Bi-Sn Solder Alloys. *Materials* **2024**, *17*, 1579. <https://doi.org/10.3390/ma17071579>

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate) - Selecție cu maximum 20 lucrări în volume de conferințe:

D1. Chilom, C.G., Bacalum,M., Marin,R., Stănescu, M.M., Florescu,M., *Interactions of human serum albumine with folic acid* , Conference proceedings -17th International Balkan Workshop on Applied Physics, IBWAP-2017, Constanța, 11-14 July 2017

D2. Chilom, C.G., Stănescu, M.M., *Importance of learning styles-based methodology in teaching physics: a case-study*, Conference proceedings, 17th International Balkan Workshop on Applied Physics, IBWAP-2017, Constanța, 11-14 July 2017

D3. Stănescu, M.M., *Quality of evaluation in teaching physics*, 8th General conference of the Balkan Physical Union. Constanța, 5-7 July 2012

D4. Stănescu, M.M., Gheorghe, V. *Interdisciplinary approach in Physics teaching at secondary school level*, National Conference of Physics, Iași, 23-25 sept.2010

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E. Brevete obținute în întreaga activitate

E1.

E2.

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Data: 30.04.2025

Semnătura: