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Gradul didactic: Șef lucrări
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Departamentul: Electrotehnică și măsurări

A – teza de doctorat

„Studii și cercetări privind utilizarea câmpului electromagnetic în magnetoterapie”

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Universitatea Tehnică din Cluj-Napoca
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B – Cărți și capitole în cărți (în ultimii 10 ani)

CĂRȚI

1. **Anca-Iulia NICU, Inginerie Biomedicală. Aplicații**, Ed. Alma Mater, Cluj-Napoca, 2013, ISBN 978-606-504-156-1, 156 pagini.

C – Lucrări indexate ISI/BDI (în ultimii 10 ani)

c2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniu (DBLP, ACM, IEEE, SCOPUS)

1. C. Marincaș, **A. Nicu**, C. Csutak, R.V. Ciupa, *Evaluating SAR on the human head (during MRI examination) as function of frequency*, 4th Conference on Advancements of Medicine and Health Care through Technology, MEDITECH 2014, 7-9 Iunie, Cluj-Napoca, Romania, ISBN 978-3-642-04291-1, ISSN 1680-0737, DOI 10.1007/978-3-319-07653-9, Springer Verlag Berlin,
2. C. Marincaș, **A. Nicu**, C. Csutak, R.V. Ciupa, *Evaluation of thermal distribution in the head following exposure to an electromagnetic field generated by a MRI*, 4th Conference on Advancements of Medicine and Health Care through Technology, MEDITECH 2014, 7-9 Iunie, Cluj-Napoca, Romania, ISBN 978-3-642-04291-1, ISSN 1680-0737, DOI 10.1007/978-3-319-07653-9, **Springer Verlag Berlin**,
3. Stet, D.; Micu, D.O.; Ceclan, A.; Czumbil, L.; Munteanu, M.; Cretu, M.; **Nicu, A.**, *Numerical modelling of a wind farm located in the south area of Romania through equivalent electrical circuits*, Power Engineering Conference (UPEC), 2014 49th International Universities, DOI: [10.1109/UPEC.2014.6934634](https://doi.org/10.1109/UPEC.2014.6934634), Publication Year: 2014, Page(s): 1 – 4, IEEE CONFERENCE PUBLICATIONS.
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5. **Nicu Anca,** Anca Constantinescu-Dobra, Andrei Cziker *Propensity of enrolling in Electrical and Power Engineering. Case study of Technical University of Cluj-Napoca,* in International Symposium on Fundamentals of Electrical Engineering 2018 - ISFEE 2018, University POLITEHNICA of Bucharest, Romania, November 1–2, 2018, http://isfee.elth.pub.ro/isfee2018/ISFEE_2018_Program_18.10.30.pdf
DOI: 10.1109/ISFEE.2018.8742473
6. **Anca Iulia Nicu;** Claudia Steluta Martis *Current Trends in Assistive Upper-limb Rehabilitation Devices* 4th Conference on Advancements of Medicine and Health Care through Technology, MEDITECH 2014, 13 – 15.10.2020, Cluj-Napoca, Romania, www.medittech.utcluj.ro, **IFMBE Proceedings 88, 1st ed. 2022, Chapter 39, ISBN 978-3-030-93563-4, DOI: 10.1007/978-3-030-93564-1_39**
7. T. Lupu, R. A. Mariş, **A. I. Nicu** and C. S. Marţiş, "Open source software based design and optimization tool for electrical machines," *2021 9th International Conference on Modern Power Systems (MPS)*, 2021, pp. 1-5, **doi: 10.1109/MPS52805.2021.9492624.**
8. Nicu, I.R., **Nicu, A.I.**, Constantinescu-Dobra, A. (2024). *Integrating IoT in Educational Engineering Application Development - an Emerging Paradigm.* In: Vlad, S., Roman, N.M. (eds) 8th International Conference on Advancements of Medicine and Health Care Through Technology. MEDITECH 2022. IFMBE Proceedings, vol 102. Springer, Cham. https://doi.org/10.1007/978-3-031-51120-2_15
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