

Domeniul: Inginerie electrică

LISTA PUBLICAȚILOR
Sef lucr.dr.ing. Alina Daniela Handra

A-Lista lucrări relevante

- 1. - Simulation of power active filter using instantaneous reactive power theory(2014)**, Autori: M.D. Marcu, F.G. Popescu, T. Niculescu, L. Pană, **A.D. HANDRA**; *16th International Conference on Harmonics and Quality of Power (ICHQP)*, pag:581 – 585.
<https://ieeexplore.ieee.org/document/6842783>
DOI: 10.1109/ICHQP.2014.6842783
ISSN: 2164-0610
- 2. - Occupational Health and Safety Management, an important pillar of National Security from Romania(2021)**, Autori: N. Fiță, M.S. Radu, D. Păsculescu, F.G. Popescu, C. Rada, E.Grigorie, **A.D. Handra**; *Occupational Health and Safety Management, an important pillar of National Security from Romania*, International Conference on Electrical, Computer and Energy Technologies (ICECET), 09 – 10 December 2021, Cape Town, South Africa, IEEE.
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DOI:10.110 9/ICECET52533.2021.9698802
ISBN:978-1-6654-4232-9
- 3. - Risks assessment in terms of OHS for critical power infrastructures in context of industrial safety(2021)**, Autori: D. Păsculescu, N.D. Fiță, E. Grigorie, F. Popescu, **A.D. HANDRA**; *10th International Conference on Manufacturing Science and Education-MSE 2021, Sibiu*,
https://www.matec-conferences.org/articles/mateconf/pdf/2021/12/mateconf_mse21_10020.pdf
DOI: 10.1051/mateconf/202134310020
- 4. - Energy security aspects related to the National Power Grid(2021)**, Autori: N.D. Fiță, D. Păsculescu, F.G. Popescu, **A.D. HANDRA**, E. Grigorie, *Energy security aspects related to the National Power Grid, 9th edition of the International Multidisciplinary Symposium “UNIVERSITARIA SIMPRO,2021”: Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development*”, pag.60
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- 5. -Improving the operational strategy of industrial enterprises(2021)**, Autori: C. Suciu, **A.D. HANDRA**, A.C. Rada, M.D. Marcu; *Annals of Constantin Brâncuși University of Târgu-Jiu - Engineering Series, Nr. 4/2021*, pag. 124-129.
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- 6. - Industrialization 4.0 - the digitalrevolution which redefines production(2021)**, Autori: C. Suciu, **A.D. HANDRA**, A.C. Rada, I. Uțu; *Annals of Constantin Brâncuși University of Târgu-Jiu - Engineering Series,Nr.4/2021*, pag. 130-135.

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7. - The technical and economic advantages of power factor correction(2019), Autori:F.G. Popescu, D. Păsculescu, M. Marcu, T. Niculescu, **A. D. Handra**; *Annals of University of Petrosani, Electrical Engineering, Vol 21, Nr1/1, 2019*, pag.35-42
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8. - The electric vehicle in terms of reliability(2020), Autori: **A.D. HANDRA**, D. Păsculescu, F.G. Popescu, *Annals of Constantin Brâncuși University of Târgu-Jiu - Seria Inginerie,NR 1/2020*, pag.47-53
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9. - Measuring the level of the products quality from energetic point of view(2020), Autori: **A.D. HANDRA**, F.G. Popescu, D. Păsculescu; *Annals of Constantin Brâncuși University of Târgu-Jiu - Seria Inginerie,NR 1/2020*, pag. 54-60.
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10. - Analysis of harmonics reduction methods(2021), Autori: F.G. Popescu, D. Păsculescu, T. Niculescu, A. C. Rada, **A.D. HANDRA**; *Annals of Constantin Brâncuși University of Târgu-Jiu - Seria Inginerie, NR 1/2021*, pag. 21-26
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11. Degradation Pathways of Electrical Cable Insulation: A Review of Aging Mechanisms and Fire Hazards (2025), Autori: Anghelescu, L ; **Handra, AD** ; Diaconu, BM ; FIRE-SWITZERLAND,Volume 8, Issue10, **Article Number 397, PublishedOCT 13 2025, Indexed 2025-11-03**
<https://doi.org/10.3390/fire8100397>
<https://www.mdpi.com/2571-6255/8/10/397>

B. Teza de doctorat

1. - Contribuții la creșterea eficienței energetice în mineritul de suprafață(2014), Autor: Alina Daniela Handra, *Universitatea Politehnică din București*.
Conducător doctorat: Prof.dr.ing. Nicolae Golovanov.

C. Brevete

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D. CĂRȚI ȘI CAPITOLE ÎN CĂRȚI

D1. Cărți:

1. - Creșterea eficienței energetice în mineritul de suprafață (2011), Autori: **A.D. HANDRA**, F.G. Popescu , Editura Universitas, Petroșani, 2011, ISBN 978-973-741-170-9, (pag. 116).

2. - Utilizarea energiei electrice-lucrări de laborator-(2020), Autori: **A.D. HANDRA**, F.G. Popescu, D. Păsculescu, Editura Universitas, Petroșani, 2020, ISBN 978-973-741-702-2, (pag.167).

3. - Tehnici de optimizare în energetică (2021), Autori: **A.D. HANDRA**, D. Păsculescu, I. Uțu, M.D. Marcu, F.G. Popescu, A.C. Rada, Editura Universitas, Petroșani, ISBN 978-973-741-804-3, (pag.179).

4. - *Mașini electrice-îndrumător de laborator (2022)*, Autori: A.C. Rada, **A.D. HANDRA**, C. Pupăză, Editura Universitas, Petroșani, 2022, ISBN 978-973-741-851-7, (pag.149).

D2. Capitole în cărți

1. - *Current Approaches in Science and Technology Research, Vol 13, Chapter 9: Study on modelling a 400/220 kV power substation (criticalinfrastructures) – The simulation of the permanent regime with EDSA programme) (2021)*, Autori: D.N. Fiță, E. Grigorie, D. Păsculescu, F.G. Popescu, **A.D. HANDRA**, C. Rada, C. Barb, B.P. International Publisher, India, ISBN: 978-93-91595-94-4, august 2021.

<https://doi.org/10.9734/bpi/castr/v13/1815C>

E. Articole/ studii in extenso, publicate în reviste din fluxul științific internațional principal

1.- *Simulation of power active filter using instantaneous reactive power theory(2014)*, Autori: M.D. Marcu, F. G. Popescu, T. Niculescu, L. Pană, **A.D. HANDRA**; *16th International Conference on Harmonics and Quality of Power (ICHQP)*, pag:581 – 585.

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4. - *Energy security aspects related to the National Power Grid(2021)*, Autori: N.D. Fiță, D. Păsculescu, F.G. Popescu, **A.D. HANDRA**, E. Grigorie, *Energy security aspects related to the National Power Grid, 9th edition of the International Multidisciplinary Symposium “UNIVERSITARIA SIMPRO,2021”: Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development*”, pag.60

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F. Publicații in extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. -*Improving the operational strategy of industrial enterprises(2021)*, Autori: C. Suci, **A.D. HANDRA**, A.C. Rada, M.D. Marcu; *Annals of Constantin Brâncuși University of Târgu-Jiu - Engineering Series, Nr. 4/2021*, pag. 124-129.

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2. - Industrialization 4.0 - the digital revolution which redefines production(2021), Autori: C. Suciu, **A.D. HANDRA**, A.C. Rada, I. Uțu; *Annals of Constantin Brâncuși University of Târgu-Jiu - Engineering Series*,Nr.4/2021, pag. 130-135.

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3. - The electricity supply to the electric traction system(2021), Autori: L. Anghelescu, **A.D. HANDRA**, A.C. Rada, *Annals of Constantin Brâncuși University of Târgu-Jiu, Engineering Series, Nr. 1/2021*, pag. 45-50.

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8.- Design and implementation of a 10.5 mw biomass power plant in french guinea: technological solution and energy impact(2024) , Autori: A.D.Handra; *Annals of Constantin Brâncuși University of Târgu-Jiu - Seria Inginerie*, NR 3/2024, pag 65-69

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G. Granturi, proiecte europene, contracte de cercetare încheiate cu mediul de afaceri, alte proiecte de cercetare

Proiectul privind Învățământul Secundar (ROSE) Schema de Granturi SGCU-CI Beneficiar: Universitatea din Petroșani Titlul subproiectului: Centrul Remedial Educațional al Studenților Capacități ai Universității din Petroșani.

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