

**UNIVERSITATEA PETROL-GAZE DIN PLOIEȘTI
FACULTATEA INGINERIE MECANICĂ ȘI ELECTRICĂ
DEPARTAMENTUL AUTOMATICĂ, CALCULATOARE ȘI ELECTRONICĂ**

Concurs pentru ocuparea postului de ȘEF LUCRĂRI, POZIȚIA 20

Disciplinele postului: Acționări electrice 1; Convertoare electromecanice 1; Electrotehnică, mașini și acționări electrice; Electrotehnică și mașini electrice.

Domeniul: Inginerie electrică

**LISTA PUBLICAȚIILOR
Dr.Ing. Alina Daniela Handra**

A-Lista celor maximum 10 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.**

<https://1d10q5wmy-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000814669100358>

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**

https://www.matec-conferences.org/articles/mateconf/pdf/2021/11/mateconf_simpro21_04010.pdf

DOI: 10.1051/mateconf/202134204010

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.**

[https://www.utgjiu.ro/rev_ing/pdf/2021-](https://www.utgjiu.ro/rev_ing/pdf/2021-4/21_Cristina%20SUCIU_IMPROVING%20THE%20OPERATIONAL%20STRATEGY%20OF%20INDU)

[4/21 Cristina%20SUCIU_IMPROVING%20THE%20OPERATIONAL%20STRATEGY%20OF%20INDUSTRIAL%20ENTERPRISES.pdf](https://www.utgjiu.ro/rev_ing/pdf/2021-4/21_Cristina%20SUCIU_IMPROVING%20THE%20OPERATIONAL%20STRATEGY%20OF%20INDUSTRIAL%20ENTERPRISES.pdf)

ISSN-L 1842-4856

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.**

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
<https://www.upet.ro/annals/electrical/doc/2019/5%20Popescu%20Florin.pdf>
ISSN 1454-8518

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
https://www.utgjiu.ro/rev_ing/pdf/2020-1/08_THE%20ELECTRIC%20VEHICLE%20IN%20TERMS%20OF%20RELIABILITY.pdf
ISSN-L 1842-4856

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.
https://www.utgjiu.ro/rev_ing/pdf/2020-1/09_MEASURING%20THE%20LEVEL%20OF%20THE%20PRODUCTS%20QUALITY%20FROM%20ENERGETIC%20POINT%20OF%20VIEW.pdf

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
https://www.utgjiu.ro/rev_ing/pdf/2021-1/03_Florin%20Gabriel%20Popescu_ANALYSIS%20OF%20HARMONICS%20REDUCTION%20METHODS.pdf
ISSN-L 1842-4856

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

-

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. Capitle 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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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, pag.
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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
https://www.mateconferences.org/articles/mateconf/abs/2021/11/mateconf_simpro21_04010/mateconf_simpro21_04010.html
DOI: 10.1051/mateconf/202134204010

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.
https://www.utgjiu.ro/rev_ing/pdf/2021-4/21_Cristina%20SUCIU_IMPROVING%20THE%20OPERATIONAL%20STRATEGY%20OF%20INDUSTRIAL%20ENTERPRISES.pdf
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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.

https://www.utgjiu.ro/rev_ing/pdf/2021-4/22_Cristina%20SUCIU_INDUSTRIALIZATION%204.0%20-%20THE%20DIGITAL%20REVOLUTION%20WHICH%20REDEFINES%20PRODUCTION.pdf

ISSN-L 1842-4856

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.

[https://www.utgjiu.ro/rev_ing/pdf/2021-](https://www.utgjiu.ro/rev_ing/pdf/2021-1/07_ANGHELESCU%20LUCICA_THE%20ELECTRICITY%20SUPPLY%20TO%20THE%20ELECTRIC%20TRACTION%20SYSTEM.pdf)

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[1/08_THE%20ELECTRIC%20VEHICLE%20IN%20TERMS%20OF%20RELIABILITY.pdf](https://www.utgjiu.ro/rev_ing/pdf/2020-1/08_THE%20ELECTRIC%20VEHICLE%20IN%20TERMS%20OF%20RELIABILITY.pdf)

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<https://www.upet.ro/annals/electrical/doc/2019/5%20Popescu%20Florin.pdf>

ISSN 1454-8518

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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