

LISTA DE LUCRĂRI:

I. TEZA DE DOCTORAT (T)

- T1. Utilizarea modelării matematice la analiza factorilor care influențează structura și proprietățile aliajelor de aluminiu

III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri și Îndrumare publicate (separate în **I** - edituri cu ISBN și în **It** - tipografii locale/de instituții sau de uz intern).

I - edituri cu ISBN

- I1. Cezar Necșulescu, **Daniela Alina Necșulescu**, Daniela Cosmeleață, Ioan Pencea: Îndrumar de laborator -Introducere în informatică, Editura PRINTECH, , ISBN 978-973-718-471-9, Bucuresti, 2006, 98 pg
- I2. M. Vasilescu, G. Gherghișor, I. Gherghescu, M. Dobrescu, G. Grigorescu, O. Trante, **Daniela Alina Necșulescu**: Îndrumar de laborator pentru Tratamente Termice, Editura Politehnica Press, ISBN 978-606-515-057-7, Bucuresti, 2000, pp.220- 235

D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

- D1. G. Coșmeleață, M. Faur, **Daniela Alina Necșulescu**, Tratat de Stiinta si Ingineria Materialelor Metalice, Vol. 3, Metale. Aliaje. Materiale Speciale. Materiale Compozite, Subcap. 11.1 – Zincul și aliajele lui. Academia de Stiinte Tehnice din Romania, Editura AGIR, Bucuresti, Romania, ISBN 978-973-720-261, pp.913-948;
- D2. G. Coșmeleață, I. Antoniac, **Daniela Alina Necșulescu**, Tratat de Stiinta si Ingineria Materialelor Metalice, Vol. 3, Metale. Aliaje. Materiale Speciale. Materiale Compozite, Cap. 25 – Materiale biocompatibile și aliaje cu memoria formei. Academia de Stiinte Tehnice din Romania, Editura AGIR, Bucuresti, Romania, ISBN 978-973-720-261, pp.1463-1494;
- D3. G. Coșmeleață, M. Bane, G. Gherghișor, **Daniela Alina Necșulescu**, Tratat de Stiinta si Ingineria Materialelor Metalice, Vol. 3, Metale. Aliaje. Materiale Speciale. Materiale Compozite, Subcap. 29.1 – Comportarea materialelor la rece și la cald. Academia de Stiinte Tehnice din Romania, Editura AGIR, Bucuresti, Romania, ISBN 978-973-720-261, pp.1710-1784.

IV. ARTICOLE / STUDII ÎN EXTENSO PUBLICATE (R, V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters).

- Ris1.**Daniela Alina NECSULESCU**, Mariana CIURDAS, Alina ROBU- "STUDIES AND RESEARCH ON THE MATERIALS USED IN THE MANUFACTURE OF CLUTCH DISCS",

- UPB Scientific Bulletin, Series B: Chemistry and Materials Science", Volume:86, Issue 4, 2024, Pages: 269-280, ISSN 1454-2331, WOS:001380943500020
- Ris2. Cristiana Ioana TATIA, Maria Mirabela IANCU, Aurora ANTONIAC, **Alina NECȘULESCU**, Alina ROBU, Marius Lucian VASILESCU, Iuliana CORNESCHI, Anca Maria FRATILA- "COMPARATIVE ANALYSIS OF THE SURFACE PROPERTIES OF DIFFERENT DENTAL IMPLANTS", UPB Scientific Bulletin, Series B: Chemistry and Materials Science", Volume:86, Issue:4, 2024, Pages: 245-256, ISSN 1454-2331, WOS: 001380943500018
- Ris3. Serban-Tanase V ; Ciurdas M ; **Necsulescu DA**, REDUCING THE LEVEL OF INCLUSIONS FROM THE METALLIC ALUMINUM MELTING, USING A DOUBLE FILTRATION SYSTEM, in "UPB Scientific Bulletin, Series B: Chemistry and Materials Science", Volume:85, Issue:3/2023, Pages: 147-154, WOS: 001052966300016
- Ris4. Serban-Tanase V ; Ciurdas M ; **Necsulescu DA**, THE INFLUENCE OF THE FLUX TREATMENT ON METALLIC BATH CONCERNING THE LEVEL OF INCLUSIONS IN ALUMINUM ALLOYS in "UPB Scientific Bulletin, Series B: Chemistry and Materials Science", Volume:85, Issue:4/2023, Pages: 285-296, WOS:001126670800009
- Ris5. **Daniela Alina NECSULESCU**, Mariana CIURDAS, STRUCTURAL CHARACTERIZATION AND CORROSION BEHAVIOR OF TITANIUM DENTAL IMPLANT in "UPB Scientific Bulletin, Series B: Chemistry and Materials Science", Volume:85, Issue:4/2023, Pages: 201-210, WOS:001126670800019
- Ris6. C. Milea, **D.A. Necsulescu**, B. Ghiban, A. Stere, A. Robu, C. Bujor, R. Ene, N. Forna, FAILURE ANALYSES OF A NON-CEMENTED HIP PROSTHESES FAILED DUE TO THE STEM FRACTURE, U.P.B. Sci. Bull., Series B, Vol. 84, Iss. 2, 2022, pp. 175-186, ISSN 1454-2331, WOS:000805934600015
- Ris7. M. CIURDAS, C.M. COTRUT, N. CONSTANTIN, D.F. MARCU, **D.A. NECSULESCU**, ELECTROCHEMICAL TREATMENT OF THE ALUMINUM SURFACE BY ELOXATION, U.P.B. Sci. Bull., Series B, Vol. 84, Iss. 1, 2022, pp. 207-216, ISSN 1454-2331, WOS:000813376200016
- Ris8. **Daniela Alina NECSULESCU**, Iulian ANTONIAC, Claudia MILEA, Mariana CIURDAS, STRUCTURAL ANALYSIS AND CORROSION RESISTANCE OF DENTAL BRACKETS, U.P.B. Sci. Bull., Series B, Vol. 83, Iss. 2, 2021, pp. 283-290, ISSN 1454-2331, WOS: 000661663200024
- Ris9. Ionuț BRATOSIN, Valeriu-Gabriel GHICA, Mihai BUZATU, Mircea-Ionuț PETRESCU, Gheorghe IACOB, Tünde Anna KOVÁCS, **Alina-Daniela NECȘULESCU**, SEPARATION PROCESS OPTIMIZATION OF THE PASTE FROM THE ALUMINUM CATHODE, IN THE PROCESS OF RECOVERY OF COBALT FROM USED BATTERIES, U.P.B. Sci. Bull., Series B, Vol. 82, Iss. 3, 2020, pp. 199-210, ISSN 1454-2331, WOS:000610098500017
- Ris10. Nicolae NĂVODARIU, Iulian ANTONIAC, Diana TĂBĂRAȘ, Gabriel GRIGORESCU, Robert CIOCOIU, Octavian TRANTE, Ramona TURCU, **Alina NECȘULESCU**, Anca Daniela RAICIU, A STUDY ON THE MECHANICAL PROPERTIES OF CAR PANELS STRAIGHTENED BY FOUR METHODS, U.P.B. Sci. Bull., Series B, Vol. 82, Iss. 4, 2020, pp. 257-272, ISSN 1454-2331, WOS:000610101300022

- Ris11. Ruxandra Elena Dumitrescu, Ioana Arina Gherghescu, Sorin Ciuca, Mariana Ciurdas, Daniela **Alina Necşulescu**, Ion Mihai Vasile , Microstructural Aspects of Some Magnesium Matrix Composites Reinforced with Amorphous/Nanocrystalline Ni-Ti Particulates", Revista de Chimie, volume 70, Issue 8, pp. 2903-2907, 2019, DOI: 10.37358/rc.19.8.7453, WOS: 000489685600042
- Ris12. **Daniela Alina Necşulescu**, IMPROVING THE HEAT TREATMENT OF ALUMINUM ALLOY 7075 BASED ON MATHEMATICAL MODELING ANALYSIS OF THE MAIN MECHANICAL PROPERTIES, Metalurgia International, Editura Ştiinţifică F.M.R., nr. 2, pp. 5-10, 2011, ISSN 1582-2214, WOS: 000289816700000
- Ris13. Manole, M; Burde, AV; Milea, C; **Necşulescu, A**; Ciocoiu, R; Trante, O; Sinescu, C; Mohan, A; Dudea, D; Ionel, DC; Baci, S, Implementation of Holographic Research in Periodontal Disease, REVISTA DE CHIMIE, Volume 69, Issue 7, pp. 1791-1795, 2018, ISSN 0034-7752, WOS:000444595700039
- Ris14. MARIANA CIURDAS, **DANIELA ALINA NECŞULESCU**, CRISTIAN MIRCEA PANTILIMON, VASILE ION, MAGDALENA GALATANU, GEORGE RUIU, RUXANDRA ELENA DUMITRESCU, Production and Structural Characterization of Some Magnesium Matrix Composites Reinforced with Amorphous/Nanocrystalline NiTi Particulates, REVISTA DE CHIMIE, Volume: 69, Issue12, pp. 3503-3507, 2018, ISSN 0034-7752, WOS:000458533800035
- Ris15. Ciurdas, M; Gherghescu, IA; Ciuca, S; **Necşulescu, AD**; Cotrut, C; Dumitrescu, RE, Heat Treatment Influence on the Corrosion Resistance of a Cu-Al-Fe-Mn Bronze, REVISTA DE CHIMIE, Volume:69, Issue 5, pp. 1055-1059, 2018, ISSN 0034-7752, WOS:000434954100005
- Ris16. Mariana CIURDAŞ, **Daniela Alina Necşulescu**, N. PANAIT, R. DUMITRESCU, R. STEPHAN, Experimental researches regarding the processing of a 3003 rolled alloys, Scientific Bulletin, series B, Chemistry and Materials Science, vol. 78, Issue 4, pp.193-202, 2016, ISSN 1454-2331, WOS: 000417053700020
- Ris17. **Daniela Alina Necşulescu**, IMPROVING THE HEAT TREATMENT OF ALUMINUM ALLOY 7075 BASED ON MATHEMATICAL MODELING ANALYSIS OF THE MAIN MECHANICAL PROPERTIES, Metalurgia International, Editura Ştiinţifică F.M.R., nr. 2, p. 5-10, 2011, ISSN 1582-2214, WOS: 000289816700001
- Ris18. **Daniela Alina Necşulescu**, NEW TECHNOLOGIES TO ENHANCED THE PROPERTIES OF 7075 ALUMINUM ALLOY, Metalurgia International, Volume 15, Issue 9, p. 5-10, 2010, ISSN 1582-2214, WOS:000285214800001
- Ris19. **Daniela Alina Necşulescu**, THE EFFECTS OF CORROSION ON THE MECHANICAL PROPERTIES OF ALUMINUM ALLOY 7075-T6, Scientific Bulletin, serie B, Chemistry and Materials Science, vol. 73, Issue 1, pp.223-229, 2011, ISSN 1454-2331, Indexată SCOPUS
- Risb** - Reviste de specialitate de circulaţie internaţională recunoscute (indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta).
- Risb1. Ionut Bratosin, Valeriu Gabriel Ghica, Mircea I Petrescu, Mihai Buzatu, **Alina Daniela Necşulescu**, Gheorghe Iacob, Recycling Li-ion batteries in eco-friendly environments, Journal HADITECHNIKA, Volume 54, Issue 5, Pages 8-14, ISSN 0230-6891, Official URL: <https://doi.org/10.23713/HT.54.5.02>

Vis - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters.

- Vis1. CIURDAS Mariana, **NECSULESCU Daniela Alina**, NEW STRATEGIES OF PRODUCT MANUFACTURING IN DIGITAL TRANSFORMATION, MANAGEMENT PERSPECTIVES IN THE DIGITAL TRANSFORMATION, 744-754, 2019, WOS: 000519338200076
- Vis2. **NECSULESCU Daniela Alina**, CIURDAS Mariana, THE FUTURE OF TECHNOLOGY IN POST-DIGITAL ERA, MANAGEMENT PERSPECTIVES IN THE DIGITAL TRANSFORMATION, 755-764, 2019, WOS: 000519338200077
- Vis3. **Daniela Alina Necșulescu**, Mariana CIURDAȘ, ENERGY SERVICE COMPANIES (ESCO) -FUTURE PARTNERS FOR EFFICIENCY THROUGH ENERGY AND COST SAVINGS, International Conference of Management and Industrial Engineering, pp. 741-754, 2015, ISSN: 2344-0937, WOS:000448633100074
- Vis4. **DA Necsulescu**, M Ciurdas, C Milea, Characterization of metallic materials used in food packaging, IOP Conference Series: Materials Science and Engineering, Vol. 1037, Issue 1, pages 012038, IOP Publishing, doi:10.1088/1757-899X/1037/1/012038 , Indexata SCOPUS
- Vis5. I Bratosin, VG Ghica, MI Petrescu, M Buzatu, G Iacob, **AD Necșulescu**, Researches on the recovery of useful metals from spent Li-Ion batteries, IOP Conference Series: Materials Science and Engineering, Vol. 1037, Issue 1, pages 012039, IOP Publishing, doi:10.1088/1757-899X/1037/1/012039, SCOPUS
- Vis6. Mariana Ciurdas, **Daniela Alina Necsulescu**, Roxana Marina Solea, Interface characterization of Al/SiCp compacts, IOP Conference Series: Materials Science and Engineering, Vol. 1090, Issue 1, Pages 012012, IOP Publishing, doi:10.1088/1757-899X/1190/1/012012, Indexata SCOPUS
- Vis7. BUZATU Mihai, GHICA Valeriu Gabriel, IACOB Gheorghe, KOVACS TA, **NECSULESCU Daniela Alina**, PETRESCU Mircea Ionut, TOMA CRISTINA MADALINA, VASILE Eugeniu Recovery of LiCoO₂ compound from cathodic paste of waste LIBs, by ultrasonography in lactic acid solution, IOP Conference Series: Materials Science and Engineering, Volume 572, Issue 1, pp. 012053, 2019, Indexata SCOPUS

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- Visb1. Mariana Ciurdaș, **Alina Daniela Necșulescu**, MATERIAL SELECTION OF METAL MATRIX COMPOSITES USING MULTI - ATTRIBUTE DECISION MODEL, International Conference of Management and Industrial Engineering, Octombrie 2017, ISSN -L 2344-0937 pag. 259-269
- Visb2. **Daniela Alina Necșulescu**, Mariana Ciurdaș, PRESENTING KEY PERFORMANCE INDICATORS (KPIs) USING ADVANCED EXCEL DASHBOARDS, International Conference of Management and Industrial Engineering, Octombrie 2017, ISSN -L 2344-0937 pag. 549-559

- Visb3. Mariana Ciurdaş, Ruxandra Elena Dumitrescu, Gabriela Popescu, **Daniela Alina Necşulescu**, Andra Mihaela Predescu, Cristian Mircea Pantilimon, Lucian Rosu, NANOCRYSTALLINE AND AMORPHOUS NiTi COMPOUND OBTAINED BY MECHANICAL ALLOYING FOR METALLIC MATRIX REINFORCEMENT, International Journal of Modern Manufacturing Technologies, Vol. X, No. 2 / 2018, pages: 51-57, ISSN 2067–3604
- Visb4. Camelia Tecu, Octavian Trante, Robert Ciocoiu, **Alina Necşulescu**, Iulian Antoniac, Olivera Lupescu, Gheorghe I. Popescu, Fixation of humeral shaft fractures: A mechanical comparison of various loadings on locking compression plate, International Conference “Biomaterials, Tissue Engineering & Medical Devices” BIOMMEDD’2018, pages: 262, 2069- 0193
- Visb5. **Daniela Alina Necşulescu**, Cezar Corneliu NECŞULESCU, Dragoş MARCU, METALLURGICAL INDUSTRY -BETWEEN ECONOMICAL CRISIS AND UNFAIR COMPETITION, MANAGEMENT IN THE WORLDWIDE CONTEMPORANY CHALLENGES, 2009, ISBN 978-937-748-468-0, pp.369-376;
- Visb6. Ciurdas Mariana, **Necşulescu Alina Daniela**, Decisions in Material Technology, FAIMA Business & Management Journal; Bucharest Vol. 7, Iss. 2, (Jun 2019): 5-14
- Visb7. Dragoş MARCU, Sorin DIMITRIU, Ioana APOSTOLESCU, **Daniela Alina Necşulescu**, MEASURING METHOD FOR UNDERGROUND ECONOMY, BULETINUL INSTITUTULUI POLITEHNIC IAŞI, Tomul LV(LIX), fasc.4, 2009, Iaşi, ISSN 1431690, CNCSIS, “clasa B”, pp.237-240
- Visb8. **Daniela Alina Necşulescu**, Cezar Corneliu NECŞULESCU, Dragoş MARCU, Tendinţe noi privind evoluţia preţurilor metalelor pe piaţa mondială- ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, VOLUME VII (XVII), 2008, ISSN 1583 - 0691, CNCSIS "Clasa B+", pp.2130-2133
- Visb9. Sorin DIMITRIU , Dragoş MARCU, **Daniela Alina NECŞCULESCU**, Calitatea investiţiei în procesul de tranziţie economică, ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering - Oradea 2005, ISSN 1583 - 0691, CNCSIS ""Clasa B+", pp.981-988
- Visb10. Sorin DIMITRIU , Dragoş MARCU, **Daniela Alina NECŞCULESCU**, Viitorul industriei de automobile în contextul pieţei europene şi mondiale- ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, VOLUME VII (XVII), 2008, ISSN 1583 - 0691, CNCSIS "Clasa B+"
- Visb11. **Daniela Alina Necşulescu**, Cezar Corneliu NECŞULESCU, Dragoş MARCU, STUDIES REGARDIND THE HEAT TREATMENT’S TECHNOLOGIES OF ALUMINIUM AND ALUMINIUM ALLOYS, ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering VOLUME VIII (XVIII), 2009, ISSN 1583 - 0691, CNCSIS ""Clasa B+"
- Visb12. **Daniela Alina Necşulescu**, Cezar Corneliu NECŞULESCU, NEW CHALLENGES IN INFORMATION TECHNOLOGY , ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering VOLUME VIII (XVIII), 2009, ISSN 1583 - 0691, CNCSIS "Clasa B+"

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

E1. Dan N. Batalu, Petre BADICA, Any C. SERGENTU, Mihai T. DRAGOMIR, Eduard LICIU, Ovidiu I. TRANCĂU, Cristian SCHEAU, Șerban DRAGOSLOVEANU, Alina NECȘULESCU, Robert BOLOLOI, Alina BOLOLOI, Carmen M. CHIFIRIUC, Niculae TUDOR, Emilia F. BALINT, Ana-Maria PRELIPCEAN, Coralia BLEOTU. MgB2 as a candidate material for medical applications and 3D printed composites. 10th International Conference "Biomaterials, Tissue Engineering & Medical Devices", Bucharest, Romania, October 10-12, 2024 (Biommedd 2024).

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Semnătura,
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