

LISTA DE LUCRĂRI

Sef lucrari dr. Ing. VRINCEANU, V. Narcisa

A. Teza de doctorat

"Stabilizarea chimică la îmbătrânire a suporturilor celulozice pretratate prin metode neconvenționale", conducător științific prof. univ. dr. Aurelia Grigoriu, Universitatea Tehnică „Gh.Asachi” din Iasi, susținută public în 19.03.2009, confirmată în 14.08.2009, atestată cu Diploma de doctor în Inginerie Chimică, nr. 4698/14.08.2009.

B. Brevete obținute în întreaga activitate

Sandu I.C.A., Vasilache V., Sandu I., **Narcisa Vrinceanu**, Sandu I.G., Ciocan A.C., Sandu A.V.: „Procedure of active preservation for water-logged old wood”, File OSIM RO 126102 A2/2009; <http://pub.osim.ro/publication-server/pdf-document?PN=RO126102%20RO%20126102&iDocId=861&iepatch=.pdf>

C. Carti/capitole publicate

1. **Narcisa Vrinceanu**, Diana Coman, UV Protection: Historical Perspectives and State-of-the-Art Achievements, Sustainable Practices in the Textile Industry, Ed. Scrivener Publishing LLC, ISBN 9781119818885, 2021, <https://doi.org/10.1002/9781119818915.ch7> 40 pag, capitol de carte
2. **Narcisa Vrinceanu**, Postolache P, *Novel Approach of Added-Value Zinc Oxide Powders for Polymeric Fibrous Matrices with Engineered Architectures for High Performance Textiles*, Nova Science Publishers, 2015. 156 pag, ISBN: 978-1-63483-432-2 <https://novapublishers.com/shop/novel-approach-of-added-value-zinc-oxide-powders-for-polymeric-fibrous-matrices-with-engineered-architectures-for-high-performance-textiles/>
3. **Narcisa Vrinceanu**, Coman D, *Advanced health-improved textile composites*, Lambert Academic Publishing, 2017. 145 pag., ISBN 978-3-330-00480-1 <https://www.amazon.com/Advanced-health-improved-textile-composites-Vrinceanu/dp/3330004800>
4. Tudose VI, **Narcisa Vrinceanu**; Pachi C, Bucur S; Pascariu P, Rusen L, Koudoumas E., Suchea M, *Nanostructured ZnO based materials for biomedical and environmental applications*, Functional Nanostructured Interfaces for Environmental and Biomedical Applications/capitol de carte, Elsevier, 2019. 21 pag., ISBN: 978-012-8144-015. <https://www.elsevier.com/books/functional-nanostructured-interfaces-for-environmental-and-biomedical-applications/dinca/978-0-12-814401-5>
5. **Narcisa Vrinceanu**; Coman, D. *Increased-Value Oxide Powders for Polymeric Fibrous Matrices with Tailored Surfaces for Clothing Wear Comfort: A Review, Smart and Functional Soft Materials*, INTECHOPEN, 2019. 16 pag, ISBN 978-1-78984-717-8 <https://www.intechopen.com/online-first/increased-value-oxide-powders-for-polymeric-fibrous-matrices-with-tailored-surfaces-for-clothing-wea>
6. Popovici, E, **Narcisa Vrinceanu**; Suchea, M.P.; Cioca, L.I. *The Nanostructured Materials Contribution in the Enhancement of the Performance Attributes of the Textile Materials*, volume's editor Mahmood Aliofkhaeaei, in book entitled "Comprehensive Guide for Mesoporous Materials" Publishing House Nova Science Publishers, 2015. pp. 159-200, ISBN 978-1-63463-982-8 https://www.novapublishers.com/catalog/product_info.php?products_id=53491&osCsid=0d1b931260a9caad507273a5fc5320d0
7. **Narcisa Vrinceanu**, Petre, A.B.; Hristodor, C.M.; Popovici, E.; Pui, A.; Coman, D.; Tanasa, D. *Zinc Oxide — Linen Fibrous Composites: Morphological, Structural, Chemical, Humidity Adsorptive and Thermal Barrier Attributes*, volume's editor Mahmood Aliofkhaeaei, in book entitled Modern Surface Engineering Treatments, Publishing House INTECH-OPEN, 2013. 23 pag., ISBN 978-953-51-1149-8 <https://www.intechopen.com/chapters/43964>
8. **Narcisa Vrinceanu**, *Metode neconvenționale pentru stabilizarea suporturilor celulozice*, Iasi: Editura Performantica, 2009. 225 pag, ISBN 978-973-730-469-8
9. Asavei, G., ed. **Narcisa VRINCEANU**, *Abordari teoretice si experimentale privind optimizarea imbracamintei cu destinatie speciala: design si arhitectura*, Iasi: Editura PIM, 2015. 202 pag. ISBN 978-606-685-185-5
10. Guinard, M., ed. **Narcisa Vrinceanu**, *Tendinte actuale si de perspectiva in aplicarea nanotehnologiilor in industria textila. Contributii la realizarea unor materiale textile din fire de bambus si in amestec cu alte fibre, destinate cosmeto-textilelor*, Iasi: Editura PIM, 2015. 223 pag, ISBN 978-606-13-2703-4
11. **Narcisa Vrinceanu**; Grigoriu, A.; Coman, D., *Metode de investigare a obiectelor din patrimoniul cultural*, Iasi: Editura Tehnopress, 2003. 203 pag., ISBN: 973-8377-77-3, 2003
12. Stanculescu, T. D.; Guja, C.; Manu, D. M.; Poenaru, A. D.; Stanculescu, G. D.; Grigoriu, A.; Blascu, V.; Bulgaru, V.-M.; Diac, C.; Grigoriu, A.M.; Grigoriu, G.E.; Sovan, A.; **Narcisa Vrinceanu** *Imbracamintea biofotonica, o sansa pentru sanatatea umana*, Iasi: Editura Performantica, 2008. 458 pag. ISBN: 978-973-730-517-6

D. Articole publicate în reviste și volume indexate ISI

1. Nouredine Ouerfelli, **Narcisa Vrinceanu (autor corespondent)**, Diana Coman, Adriana Lavinia Cioca, Empirical Modeling of COVID-19 Evolution with High/Direct Impact on Public Health and Risk Assessment, *Int. J. Environ. Res. Public Health* 2022, 19(6), 3707; <https://doi.org/10.3390/ijerph19063707>; <https://www.mdpi.com/1660-4601/19/6/3707/htm>; <https://www.mdpi.com/1660-4601/19/6/3707/pdf> **FI=3.390**
2. Shah, Z.; **Vrinceanu, N. (autor corespondent)**; Rooman, M.; Deebani, W.; Shutaywi, M. Mathematical Modelling of Ree-Eyring Nanofluid Using Koo-Kleinstreuer and Cattaneo-Christov Models on Chemically Coatings 2022, 12(3), 391; <https://doi.org/10.3390/coatings12030391>; https://www.mdpi.com/journal/coatings/special_issues/Fluid_II, <https://www.mdpi.com/2079-6412/12/3/391/pdf>, **FI=2,881** https://www.mdpi.com/2079-6412/12/3?utm_campaign=releaseIssue_coatingsutm_medium=emailutm_source=releaseissueutm_term=issuelink
3. **Vrinceanu N**, Bucur S, Rimbu CM, Neculai-Valeanu S, Ferrandiz Bou S, Suche MP. Nanoparticle/biopolymer-based coatings for functionalization of textiles: recent developments (a minireview). *Textile Research Journal*. January 2022. doi:10.1177/00405175211070613 accepted to publication/online-first (**IF = 1.820**)
4. Daniel N. Pop, **N. Vrinceanu (autor corespondent)**, S. Al-Omari, N. Ouerfelli, D. Baleanu, K. Nisar, *On the solution of a parabolic PDE Involving a Gas flow through a semi-infinite porous medium*, *Results in Physics*, 2021, volum 22, <https://doi.org/10.1016/j.rinp.2021.103884>, <https://www.sciencedirect.com/science/article/pii/S2211379721000644?via%3Dihub>; <https://www.sciencedirect.com/journal/results-in-physics/vol/22/suppl/C>, (**FI=4.019**)
5. Ouerfelli N., **Vrinceanu N.**, Mliki E., Homeida A., Amin K., Ogradowczyk M., Al-Shehri F., Ouerfelli N., *Modeling of the irradiation effect on some physicochemical properties of metoprolol tartrate for safe medical uses*, *Scientific Reports*, 2020, 10(67), 1-12, DOI: 10.1038/s41598-019-56805-0, ISSN: 2045-2322, <https://www.nature.com/articles/s41598-019-56805-0.pdf> (**IF 4.122**)
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9. Alotaibi D.H., Mliki E, **Vrinceanu N.**, Srinivasa T.K., Al-Ohali M. E., Al-Arfaj A.A., Ouerfelli N., *Validation of Messaâdi equation on viscosity-temperature dependence for some ternary liquid mixtures by statistical correlation analysis*, *Physics and Chemistry of Liquids*, 2020, 58(5), 590-602, DOI: 10.1080/00319104.2019.1625048, ISSN: 0031-9104, <https://www.tandfonline.com/doi/full/10.1080/00319104.2019.1625048> (**IF 1.707**)
10. **Vrinceanu N.**, Iorgoaiea Guignard M., Campagne C., Giraud S., Prepelita R.I., Coman D., Petrescu V.D., Dumitrascu D.D., Ouerfelli N., Suche M.P., *Correlation between Surface Engineering and Deformation Response of Some Natural Polymer Fibrous Systems*, *Journal of Engineered Fibers and Fabrics*, 2018, 13(2), 30-38, ISSN: 15589250 (WOS: 000442315200005) [http://www.jeffjournal.org/papers/Volume13/V13i2\(5\)%20Narcisa%20Vrinceanu.pdf](http://www.jeffjournal.org/papers/Volume13/V13i2(5)%20Narcisa%20Vrinceanu.pdf) (**IF 0.814**)
11. Dumitrascu D.D., Popovici E., **Vrinceanu N. (autor corespondent)**, Humelnicu D., Ouerfelli N., Prepelita R.I., Gradinaru I., *Photocatalytic Performance of Systems Based on Uranyl-Incorporated SBA-15 Mesoporous Silica*, *Digest Journal of Nanomaterials and Biostructures*, 2016, 11(2), 381-392, ISSN: 1842-3582, http://www.chalcogen.ro/381_DumitrascuD.pdf, (IF 0.785)
12. Postolache P., Petrescu V., Dumitrascu D.D., Rimbu C., **Vrinceanu N. (autor corespondent)**, Cipaian C.R., *Research Regarding a Correlation Core-Shell Morphology-Thermal Stability of Silica-Silver Nanoparticles*, *Chemical Engineering Communications*, 2016, 203(5), 649-659 <http://dx.doi.org/10.1080/00986445.2015.1078795>, ISSN: 00986445 (Print), 15635201(Online) (WOS: 000372364100010) (**IF 1.802**)
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17. Rimbu C., **Vrinceanu N.** (autor correspondent), Broasca G., Campagne C., Suche M.P., Nistor A., *Zinc oxide application in textile industry: surface tailoring and water barrier attributes as parameters with direct implication in comfort performance*, Textile Research Journal, **2013**, 83(20), 2142-2151, DOI: 10.1177/0040517513478460, ISSN 0040-5175 (WOS: 000327372700004) <http://trj.sagepub.com/content/early/2013/03/18/0040517513478460.full.pdf> +html (IF 1.613)
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19. **Vrinceanu N.**, Tanasa D., Hristodor C.M., Brinza F., Popovici E., Gherca D., Pui A., Coman D., Carsmariu A., Bistricianu I.L., Broasca G., *Synthesis and characterization of zinc oxide nanoparticles: application to textiles as thermal barriers*, Journal of Thermal Analysis and Calorimetry, **2013**, 111(2), 1107-1119, ISSN: 1572-8943 (WOS: 000313409700083) <http://www.springerlink.com/content/nx2532j806148u75/fulltext.pdf>; <http://www.springerlink.com/content/nx2532j806148u75/> (IF 2.471)
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28. **Narcisa Vrinceanu**; Paraschiva Postolache; Cristina Mihaela Rimbu, *A Controversial Research Approach: How a Polymer Coated Nanoceria-Based System Can Have Antibacterial Behavior*, Chest. 2016;149(4_S): A99. doi:10.1016/j.chest.2016.02.104, <http://journal.publications.chestnet.org/article.aspx?articleid=2511500>; <http://journal.publications.chestnet.org/data/Journals/CHEST/935163/02104.pdf> WOS:000400116000100
29. Paraschiva Postolache; Adeline Tintila; Ana Maria Mantea, MD; Maria Roxana Nemes, PhD; Oana Claudia Deleanu, PhD; Liliana Chelariu, RT; Cristina Lacatusi; Daniela Husanu; **Narcisa Vrinceanu**, *Comorbidities and Pulmonary Rehabilitation in Patients With Chronic Obstructive Pulmonary Disease*, Chest. 2016; 149(4_S):A487. doi:10.1016/j.chest.2016.02.508, <http://journal.publications.chestnet.org/article.aspx?articleid=2511895>, <http://journal.publications.chestnet.org/data/Journals/CHEST/935163/02508.pdf> WOS:000400116000486

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32. Paraschiva Postolache, Danut Dumitru Dumitrascu, Diana Coman, **Narcisa Vrinceanu**, *Waste-water management by a comparative research of photocatalytic performance belonging to coupled ZnO/SnO₂ nanocomposites against degradation of textile dyes*, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, November 19-21, 2015, http://www.ehbconference.ro/Portals/0/PROGRAM_DETAILAT.pdf
33. Bogdan Alexandru Hagi, **Narcisa Vrinceanu**, Paraschiva Postolache, *The Hypothesis Regarding the Regenerative Action of Silver Nanoparticles*, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, November 19-21, 2015, http://www.ehbconference.ro/Portals/0/PROGRAM_DETAILAT.pdf WOS:000380397900177
34. Diana Coman, **Narcisa Vrinceanu**, Milena Dinu, Calin Remus Cipaian, *New Alternative in the Methodology of Extraction and Dyeing with Active Molecules Derived from Vegetal Sources*: Procedia Technology, 2016, pp. 187-194, DOI: 10.1016/j.protcy.2016.01.043, <http://authors.elsevier.com/sd/article/S221201731600044X>; http://ac.els-cdn.com/S221201731600044X/1-s2.0-S221201731600044X-main.pdf?_tid=8ee90530-015a-11e6-856f-00000aacb361&acdnat=1460540093_1b413dd7995adc904fd71fd8b279a227 WOS:000383949300028
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36. Oancea, Simona; Coman, Diana; **Vrinceanu Narcisa** *Eco-Friendly Process of Dyeing Materials Using Bilberry Anthocyanin Extract*, Conference: 16th International Conference on Modern Technologies, Quality and Innovation Location: Sinaia, ROMANIA Date: MAY 24-26, 2012, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II Book Series: International Conference ModTech Proceedings Pages: 685-688 WOS:000392261800172
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38. Neagu, Ioan; Coman, Diana; **Vrinceanu, N.**, *New Research Methods on Wear Resistance Of The Clothing Products* Conference: 3rd International Proficiency Testing Conference, PTconf 2011 Location: Iasi, ROMANIA Date: SEP 27-30, 2011, PROCEEDINGS OF THE 3RD INTERNATIONAL PROFICIENCY TESTING CONFERENCE, PTCONF 2011 Pages: 194-199 WOS:000395612500025
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41. Coman, Diana; **Vrinceanu, Narcisa**; Grigoriu, Aurelia, *Wettability Monitoring by Surface Modification with Femtosecond Laser Irradiation*, Conference: 19th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing Location: Trnava, SLOVAKIA Date: OCT 22-25, 2008 ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM Book Series: Annals of DAAAM and Proceedings Pages: 297-298 WOS:000262860100148
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