

List of books and monographs

1. "A New Approach to Solve Non-Fourier Heat Equation via Empirical Methods Combined with the Integral Transform Technique in Finite Domains"; Cristian N. Mihăilescu, Mihai Oane, Natalia Mihăilescu, Carmen Ristoscu, Muhammad Arif Mahmood, Ion N. Mihăilescu; Chapter 10 in *Matrix Theory - Classics and Advances*, InTech ISBN 978-1-80355-823-3, Ed. Dr. Mykhaylo Andriychuk, 2022, DOI: 10.5772/intechopen.104499
2. "Thermal fields in laser cladding processing: a "fire ball" model. A theoretical computational comparison: laser cladding versus electron beam cladding"; M. Oane, I. N. Mihailescu, C.G. Ristoscu; Chapter 6 in "Nonlinear Optics - From Solitons to Similaritons" Eds. İlkey Bakırtaş and Nalan Antar; InTech, 2021, pp. 137 – 147, Print ISBN 978-1-83962-651-7, Online ISBN 978-1-83962-652-4, eBook (PDF) ISBN 978-1-83962-653-1
3. "Efficient microbial decontamination of translucent liquids and gases using optical metamaterials"; Nicolae Enaki, Sergiu Bizgan, Andrei Nistoreanu, Viorica Tonu, Marina Turcan, Tatiana Paslari, Elena Starodub, Aurelia Profir, Gianina-Florentina Popescu-Pelin, Maria Badiceanu, Carmen Ristoscu, Ion N. Mihailescu; Chapter 9 in "Advanced Surface Engineering Research" InTech ISBN 978-953-51-6940-6, Ed. Mohammad Asaduzzaman Chowdhury, 2018, pp. 169 - 198
4. "Composite Metamaterials for Biological Decontamination of Fluids"; N. A. Enaki, M. Turcan, S. Bazgan, E. Starodub, T. Paslari, A. Nistoreanu, C. Ristoscu, and I. N. Mihailescu; IFMBE Proceedings 77 Springer Nature Switzerland AG 2020, ISBN 978-3-030-31865-9, Ion Tiginyanu, Victor Sontea, Serghei Railean (eds.), Pages 373-377, (4th International Conference on Nanotechnologies and Biomedical Engineering), https://doi.org/10.1007/978-3-030-31866-6_69
5. "Combinatorial laser synthesis of biomaterial thin films: selection and processing for medical applications" Emanuel Axente, Carmen Ristoscu, Adriana Bigi, Felix Slma, Ion N. Mihailescu, Chapter 11 in "Advances in the Applications of Lasers in Materials Science" (SLIMS 2016 Proceedings), Springer Series Materials in Science, vol. 274, Ed. P.M. Ossi (2018) ISBN 978-3-319-96845-2
6. "Nanoparticle Based Decontamination of Bacteria/Pathogens" N. Enaki, T. Paslari, E. Starodub, S. Bizgan, C. Ristoscu, I. N. Mihailescu, A Vaseashta, Chapter 49 in "Advanced Nanotechnologies for Detection and Defence Against CBRN Agents", Editors: Petkov, P.; Tsiulyanu, D.; Popov, C.; Kulisch, W.; Springer - NATO Science for Peace and Security Series B: Physics and Biophysics, Springer, Dordrecht, ISBN: 978-94-024-1297-0, (2018) pp. 439-498
7. "Efficient microbial decontamination of translucent liquids and gases using optical metamaterials"; Nicolae Enaki, Sergiu Bazgan, Andrei Nistoreanu, Viorica Tonu, Mariana Turcan, Tatiana Paslari, Elena Starodub, Aurelia Profir, Gianina-Popescu-Pelin, Maria Badiceanu, Carmen Ristoscu, Ion N. Mihailescu; Chapter in "Advanced Surface Engineering Research", InTech, ISBN 978-953-51-6940-g, Ed. Mohammad Asaduzzaman Chowdhury, 2018

8. "Thin Films and Nanoparticles by Pulsed Laser Deposition: wetting, adherence and nanostructuring ", Carmen Ristoscu and Ion N. Mihailescu, Chapter 7 - Thin Films and Nanoparticles by Pulsed Laser Deposition: Wetting, Adherence and Nanostructuring , Pan Stanford Publishing, ISBN 978-981-4774-23-9 (Hardcover), ISBN 978-1-315-18523-1 (eBook), pp. 245-285
9. "Pulsed Laser Ablation: Advances and Applications in Nanoparticles and Nanostructuring Thin Films", Pan Stanford Publishing (2018), ISBN 978-981-4774-23-9 (Hardcover), ISBN 978-1-315-18523-1 (eBook) edited by Ion N. Mihailescu, Anna Paola Caricato
10. "Protected Laser Evaporation/ Ablation and Deposition of Organic/Biological Materials : Thin Films Deposition for Nanobiomedical Applications", Gianina-Florentina Popescu-Pelin, Carmen Ristoscu, Maria Badiceanu, Ion N. Mihailescu, Chapter 3 - Laser Ablation - From Fundamentals to Applications, InTechOpen, ISBN : 978-953-51-3700-9, Edited by Tatiana E. Itina, pp. 57-79, (2017)
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12. "Laser ablation of biomaterials", G. Popescu-Pelin, C. Ristoscu, I. N. Mihailescu, Chapter 5 in "Applications of Laser Ablation - Thin Film Deposition, Nanomaterial Synthesis and Surface Modification", InTech ISBN 978-953-51-2811-3, Edited by: Dongfang Yang, pp. 103 – 127 (2016)
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