

ACTIVITATE STIINTIFICA 2005-2023

TEZA DE DOCTORAT

1. „Termodinamica si morfologia unor sisteme polimere complexe”, autor: **A.I. Cosutchi**, indrumator: Dr. Silvia Ioan, Institutul de Chimie Macromoleculara "Petru Poni", Iasi, OM 3492/23.03.2010
2. „Proprietati optice si spectrale ale unor materiale polimere cu potentiale aplicatii in domeniul biomedical”, autor: **A.I. Barzic**, indrumator: Prof.Dr. Dana-Ortansa Dorohoi, OM 3181/6.02.2015

ARTICOLE IN REVISTE INDEXATE IN BAZA WEB OF SCIENCE

1. S. Ioan, **A.I. Cosutchi**, C. Hulubei, D. Macocinschi, G. Ioanid, Surface and interfacial properties of poly(amic acid)s and polyimides, Polym. Eng. Sci., 47, 381 (2007)
2. **A.I. Cosutchi**, C. Hulubei, S. Ioan, Rheological Study of Some Epiclone-Based Polyimides, J. Macromol. Sci. Part B, 46, 1003 (2007)
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11. D. Popovici, **A.I. Barzic**, I. Stoica, M. Butnaru, G. E. Ioanid, S. Vlad, C. Hulubei, M. Bruma, Plasma modification of surface wettability and morphology for optimization of the interactions involved in blood constituents spreading on some novel copolyimide films, Plasma Chem. Plasma Proc., 32, 781 (2012)
12. S. Chisca, **A.I. Barzic**, I. Sava, N. Olaru, M. Bruma, Morphological and rheological insights on polyimide chain entanglements for electrospinning produced fibers, J. Phys. Chem. B, 116, 9082 (2012)

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19. R.F. Barzic, **A.I. Barzic**, Gh. Dumitrascu, Percolation network formation in poly(4-vinylpyridine)/ aluminum nitride nanocomposites: rheological, dielectric, and thermal investigations, *Polym. Compos.*, 35, 1543 (2014)
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35. D. Popovici, **A.I. Barzic**, R.F. Barzic, D.S. Vasilescu, C. Hulubei, Semi-alicyclic polyimide precursors: structural, optical and biointerface evaluations, *Polym. Bull.*, 73, 331–344 (2016)
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65. **A.I. Barzic**, Novel aspects derived from the influence of dispersion properties of poly(4-vinylpyridine)/aluminum nitride nanocomposite encapsulants on light-extraction efficiency of light emitting diodes, *Polym. Adv. Technol.*, 33, 1116 (2022)
66. I. Sava, I. Stoica, I. Topala, I. Mihaila, **A.I. Barzic**, Photodesign and fabrication of surface relief gratings on films of polyimide-based supramolecular systems obtained using host-guest strategy, *Polymer*, 249, 124829 (2022)
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79. R.M., Albu, **A.I. Barzic**, M. Asandulesa, B.G. Rusu, I. Stoica, I. Sava, Insights into interfacial features of metal/eco-composites designed for energy storage, *Coatings*, 13, 1390 (2023)
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ARTICOLE PUBLICATE IN REVISTE DE SPECIALITATE DIN STRAINATATE (REVISTE NECOTATE ISI)

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3. I.S. Stratulat, A. Scripa (Tudose), **A.I. Barzic**, D.Gh. Dimitriu, D.O. Dorohoi, A.C. Luca, Dispersion of Nicotine circular birefringence, Revista de Chimie 70, 3281-3283 (2019)

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2. I. Stoica, **A.I. Cosutchi**, C. Hulubei, D. Timpu, Atomic force microscopy investigation of epichlorohydrin-based polyimide films, Analele Universitatii “Dunarea de jos” Galati, Fascicola II - Matematica, fizica, mecanica teoretica, Anul I – XXXII, ISSN 2067-2071 (2009)
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