

CONGRESS & CONFERENCES PROCEEDINGS

ISI

1. D. Mănăilă-Maximean, **A.-M. Albu**, B.Umanskić, C. Roșu, R. Bena "Polymer Dispersed Liquid Crystal Films Using New Polymer Transformed with Coloring Matter", ROMOPTO 2000: Sixth Conference on Optics, **June 2001**, Proc. of **SPIE**, Washington, **4430**, V. I. Vlad, Ed., 554-559; ISBN: 9780819441416.

2. **A.-M. Albu**, E. Rusen, B. Marculescu, D. S. Vasilescu, "Copolymerization of Dicyclopentadiene with Maleic Anhydride in Heterogeneous Systems", **2004**, IUPAC-Macro, 4-10 iulie, Paris, suport electronic; *e-Polymers* **2005**, no. E_002. ISSN 1618-7229; (<http://www.e-polymers.org>) (impact 1.34).

3. M. Mocioi, **A.-M. Albu**, C. Mateescu, C. Simionescu, E. Rusen, B. Marculescu, "Synthesis And Characterization A New Metal Chelating Polymers For Cations", **2004**, IUPAC-Macro, 4-10 iulie, Paris, suport electronic; *e-Polymers* **2005**, no. E_002. ISSN 1618-7229, (<http://www.e-polymers.org>) (impact 1.34).

4. Ionita, I.; **Albu, A.-M.**; Tarabasanu-Mihaila, C.; Radulescu, C.; Moater, E. I.; „Synthesis and characterization of photochromic polymeric Materials”, *proc. SPIE: „Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV”*, Schiopu, P.; Panait, C.; Caruntu, G.; Manea, A., Ed.; (**Jan. 27, 2009**) Proc. SPIE, Vol. 7297, 72970Q(2009); doi:10.1117/12.823636 (5 pagini) ISSN 0277-786X, ISBN 9780819477934.

5. **Albu, A.-M.**, Rau, I. B.; Vuluga, D. M.; Vasilescu, D. S., "New trends in architecture of azo-polymer materials with applications in optical field", **Oct. 19, 2009**, (11 pages) Proc. SPIE Vol. 7487, Ed. James G. Grote, François Kajzar, Roberto Zamboni, 74870A-1/ 74870A-11, ISSN 0277-786X, ISBN 9780819477934.

6. Nicolescu, F. A., Jerca, V. V, **Albu, A.- M**; Vasilescu, D. S., Vuluga, M.D. "Synthesis and characterization of organic-inorganic polymers from new methacrylate monomers and silane derivatives", **2009**, (7 pages), Proc. SPIE 7487, Ed. James G. Grote, François Kajzar, Roberto Zamboni, 74870N, ISSN 0277-786X, ISBN 9780819477934.

7. Stanculescu, A., Socol, M., **Albu, A.-M.**, Rasoga, O., Stanculescu, F., Ionita, I., Enculescu, I., „Investigations of the Correlation Between the Preparation Method and the Properties of Anilinic Derivative Functionalised Polymer Thin Films for Non-Linear Optical Applications”, **2010**, Materials Science Forum V, 636-637, 798-804, ISBN 978-0-87849-288-6

8. Zohrabyan, L., **A.-M. Albu**, A. Zohrabyan, T. Galstian, May **2010** SPIE: Micro-Optics 2010, Proceedings Vol. 7716, H. Thienpont; P. Van Daele; J. Mohr; H. Zappe, Eds., 77160D, ISBN: 9780819481894

INVITED /PLENNARY PAPERS

✓ "Polymeric Materials for Nonlinear Optics", 2nd International Conference on Functional Materials and Devices (ICFMD), **2008**, section B Optical Materials, I-59, **16-19 June 2008**, Kuala-Lumpur, Malaysia

✓ Maleic Anhydride Copolymers with Ability to Bind Metal Ions:II. Aromatic Amine Derivates from Removal of Cr (III) Ions, First International Workshop on Advanced, Nano- and Biomaterials and Their Applications (NAMB) French-Romanian Topical Meeting on Nano and Biomaterials, **17-21 September 2008**, Poiana Brașov, Romania .

✓ New trends in architecture of azo-polymer materials with applications in optical field, Optical Materials in Defence Systems Technology VI SPIE EUROPE Berlin **30.08.-04.09. 2009**;

✓ "Azoic Polymer Compounds for Optical Applications", A XXII-A Sesiune De Comunicări Științifice: "Progrese în Știința Compușilor Organici și Macromoleculari", microsimpozionul Micro/nano-interacții în sisteme polimere - Ediția a VIII-a, **8-10 octombrie 2009** (<http://www.icmpp.ro/zai2009/program.html>)

✓ Friendly Polymer Materials with Potential Applications in Fuel cell Technology, A doua Conferință Națională de: "Științe Aplicate în Studiul Mediului Înconjurător și Materialelelor" cu Participare Internațională, **28-30 April, 2010**, Tirgoviste,

✓ Polymer Ensembles for Optical and Photonics Applications, Second International Workshop on Advanced, Nano- and Biomaterials and Their Applications (NAMB), **15-19 September, 2010, Sibiu Romania**

✓ Photochromic and Photorefractive Materials Based on Polymers, "Photochromic and photorefractive materials based on polymers" has been accepted for Oral Invited presentaton in the conference on "Optical Materials in Defence Systems Technology", part of the SPIE International Symposium, Security & Defence Europe, section: Photoactive Materials, **20 - 24 September 2010**, Toulouse

- ✓ „Light induced gradient polymer stabilized liquid crystals for electrically variable focus lenses: the role of network morphology”, **12–16 April 2010**, Brussels, Belgium, SPIE: Micro-Optics **2010**,)
- ✓ *Architecture of Polymer Ensembles for Photonics Applications* 3th International Conference on Functional Materials and Devices, **13-17 June 2010**, Terengganu, Malaysia
(<http://umconference.um.edu.my/ICFMD2010=cd00692c3bfe59267d5ecfac5310286c>)
- ✓ *New Carbazole Polymer Materials with ONL Properties*, Fourth International Workshop on Advanced Nano- And Biomaterials and their Device Applications, September 17-21, 2014, Iași, România
- ✓ *Structure–Property Relationships in ONL Polymers: Achievements, Challenges and Opportunities*, International Conference on the Frontiers of Polymers and Advanced Materials- 13th ICFPAM, 29 March - 02 April, 2015, Marrakesh, Morocco
- ✓ *Structural Peculiarities of the Polymer- DNA Assembles*, SHIF Conference, 13-17 November, 2017, Tenerife, Spain;.
- ✓ *Challenges in Synthesis, Characterization and Applications of Novel Biomimetic Polymers*, EMN Africa Meetings: Energy Materials Nanotechnology, 26-30 November, **2017**, Mauritius
- ✓ *Cellulose- derived materials for Electrolytes Membranes*, EMN Africa Meetings: Energy Materials Nanotechnology, 26-30 November, **2017**, Mauritius
- ✓ *Structural Peculiarities of the Polymer- DNA Assembles*, 17th Edition of International Conference on Emerging Trends in Materials Science and Nanotechnology, Nanomat (<https://nano-materials.euroscicon.com/>), **2018**, April 26-27, Roma, Italy
- ✓ *Preliminary Approaches in Designing and Investigation of Materials Inspired by Mussel Adhesive Protein*, Tenth CRISTOFOR I. SIMIONESCU Symposium – Frontiers in Macromolecular and Supramolecular Science (<http://www.acad.ro/com2018/doc/d0611-CIS2018-program.pdf>) , 8 – 14 June **2018** ROMANIAN ACADEMY, Bucharest, Romania
- ✓ *Trybopolymerization: Modern Trends for Antiwear Process*, XXXV-th Romanian Chemistry Conference, October 2-5, **2018**, Călimănești-Căciulata, Vâlcea, Romania
- ✓ *Highly attractive chemistry of polymer-based bioadhesive films: targeted engineering of MA-VBC copolymers*, 3rd International Conference on Materials Science & Materials Chemistry” , October 14-15, **2019**, Vienna, Austria.
- ✓ *DNA or Chromophores – which the best partner for N-substituted Amide Copolymers?*, virtual Congress on Materials Science and Engineering, 09-10, November, **2020**.