



PERSONAL INFORMATION

Dumitru Popovici

 sos. Nicolina nr. 115, bl. 1004, tr. VI, ap. 13, 700714 Iasi (Romania)

 00740287418

 dumitru.popovici@icmpp.ro

Date of birth 25/10/1970

WORK EXPERIENCE

01/11/2012–Present

Research assistant

"Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania)

01/11/2009–31/10/2012

Ph. D. Student

"Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania)

Synthesis and characterization of partial aliphatic polyimides

Preparing polyimides films, both from polyamidic acid solutions and/or polyimides solutions

05/10/2011–30/09/2015

Team Member

"Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania)

Team member in research project - PN-II-ID-PCE-2011-3 "Complex systems based on polymers containing alicyclic structures for high performance materials" (POLALSYS) 2011 - 2013

01/02/2007–15/07/2009

associate assistant

"Gheorghe Asachi" Technical University, Faculty of Computers Science, Iasi (Romania)

Laboratory work - Computer Architecture, Numerical Computers, Structure and organization of computers

EDUCATION AND TRAINING

2009–2012

Ph.D in Chemistry

Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi (Romania)

Title of the Thesis: "Synthesis and characterization of some cycloaliphatic polyimides for high performance applications"

2005–2006

M.Sc. in Network Administrations

"Gheorghe Asachi" Technical University, Faculty of Computers Science, Iasi (Romania)

1991–1997

B.Sc in Chemistry and Physics

"Alexandru Ioan Cuza" University, Faculty of Chemistry, Iasi (Romania)

PERSONAL SKILLS

Mother tongue(s)

Romanian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	B2	B2	B2	B2	B1
---------	----	----	----	----	----

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills	Team spirit, loyalty, honest Good ability to adapt to multicultural environment Good communications skills
Organisational / managerial skills	Sense of organization. experience in team management

Job-related skills **Papers in ISI Journals**

- [1] Pricop L., Fortună M.E., **Popovici D.**, Asandulesa M., Racles C., Zaltariov M.F., Marangoci N., Savin M., Harabagiu V., Nickel Complexes of Guanidine Functionalized Trisiloxane, *J. Inorg. Organomet. Polym.*, **2019**, 2024-2034.
- [2] **Popovici D.**, Diaconu A., Rotaru A., Marin L., Microwave-Assisted Synthesis of an Alternant Poly(fluorene-oxadiazole). Synthesis, Properties, and White Light-Emitting Devices, *Polymers*, **2019**, *11(10)*, .
- [3] Hamciuc C., Hamciuc E., **Popovici D.**, Danaila A.I., Butnaru M., Rimbu C., Carp-Carare C., Kalvachev Y., Biocompatible poly(ether-ether-ketone)/Ag-zeolite L composite films with antimicrobial properties, *Mat Letter*, **2018**, *212*, 339-342.
- [4] **Popovici D.**, Vlad S., Stoica I., Vasilescu D.S., Evaluation of Bio- and Hemo-Compatibility of Two Partially Aliphatic Copolyimides Modified By Plasma and Chemical Treatment, *Scientific Bulletin UPB, serie B*, **2016**, *78(1)*, 149-160.
- [5] **Popovici D.**, Barzic A.I., Hulubei C., Stoica I., Aflori M., Vasilescu D.S., Dunca S., Surface properties and antibacterial testing of a partially alicyclic polyimide film modified by RF plasma and NaOH/AgNO₃ treatment, *Polym. Test.*, **2016**, *49*, 94-99.
- [6] **Popovici D.**, Barzic A.I., Barzic R.F., Vasilescu D.S., Hulubei C., Semi-alicyclic polyimide precursors: structural, optical and biointerface evaluations, *Polym. Bull.*, **2016**, *73(2)*, 331-344.
- [7] Hulubei C., Vlad C.D., **Popovici D.**, Stoica I., Barzic A.I., Rusu D., Polyimide micro- and nanoparticles via the reprecipitation method, *Rev. Roum. Chim.*, **2016**, *61(10)*, 797-804.
- [8] Varganici C.-D., Rosu D., Barbu-Mic C., Rosu L., **Popovici D.**, Hulubei C., Simionescu B.C., On the thermal stability of some aromatic-aliphatic polyimides, *J. Anal. Appl. Pyrol.*, **2015**, *113(0)*, 390-401.
- [9] Stoica I., **Popovici D.**, Barzic A.I., Aflori M., Ursu C., Hulubei C., Vasilescu D.S., COMPARATIVE STUDY ON THREE-DIMENSIONAL MORPHOLOGICAL CHANGES OF POLYIMIDE FILMS EXPOSED TO OXYGEN PLASMA AND PULSED UV-LASER, *Scientific Bulletin UPB, serie B*, **2015**, *77(3)*, 79-90.
- [10] Nica S.-L., Nica V., Grigoras V.C., Varganici C.-D., **Popovici D.**, Hulubei C., Ioan S., Influence of two structural phases of Fe₃O₄ and γ-Fe₂O₃ on the properties of polyimide/iron oxide composites, *Polym. Int.*, **2015**, *64(9)*, 1172-1181.
- [11] Barzic A.I., Hulubei C., Avadanei M.I., Stoica I., **Popovici D.**, Polyimide precursor pattern induced by banded liquid crystal matrix: Effect of dianhydride moieties flexibility, *J. Mater. Sci.*, **2015**, *50(3)*, 1358-1369.
- [12] Hulubei C., Vlad C.D., Stoica I., **Popovici D.**, Lisa G., Nica S.L., Barzic A.I., New polyimide-based porous crosslinked beads by suspension polymerization: physical and chemical factors affecting their morphology, *J Polym Res*, **2014**, *21(9)*, 1-16.
- [13] Ioan S., Hulubei C., **Popovici D.**, Musteata V.E., Origin of dielectric response and conductivity of some alicyclic polyimides, *Polym. Eng. Sci.*, **2013**, *53(7)*, 1430-1447.
- [14] Barzic A.I., Stoica J., **Popovici D.**, Ursu C., Gradinaru L.M., Hulubei C., Physico-chemical Insights on Tuning the Morphology of a Photosensitive Polyimide by UV Laser Irradiation, **2013**, *50(2)*, 88-92.
- [15] Barzic A.I., Stoica I., **Popovici D.**, Vlad S., Cozan V., Hulubei C., An insight on the effect of rubbing textile fiber on morphology of some semi-alicyclic polyimides for liquid crystal orientation, *Polym. Bull.*, **2013**, *70(5)*, 1553-1574.
- [16] **Popovici D.**, Hulubei C., Cozan V., Lisa G., Brumă M., Polyimides containing cycloaliphatic segments for low dielectric material, *High Perform. Polym.*, **2012**, *24(3)*, 194-199.

- [17] **Popovici D.**, Barzic A.I., Stoica I., Butnaru M., Ioanid G.E., Vlad S., Hulubei C., Brumă M., 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 P.*, **2012**, 32(4), 781-799.
- [18] Hulubei C., **Popovici D.**, Novel Polyimides Containing Alicyclic Units. Synthesis and Characterization, *Rev. Roum. Chim.*, **2011**, 56(3), 209-215.
- [19] Cristea M., Ionita D., Hulubei C., Timpu D., **Popovici D.**, Simionescu B.C., Chain packing versus chain mobility in semialiphatic BTDA-based copolyimides, *Polymer*, **2011**, 52(8), 1820-1828.

Papers in non-ISI Journals

- [1] Albu R., Avram E., Stoica I., Ioanid E., **Popovici D.**, Ioan S., Surface Properties and Compatibility with Blood of New Quaternized Polysulfones, *Journal of Biomaterials and Nanobiotechnology*, **2011**, 2(2), 114-123.
- [2] **Popovici D.**, Hulubei C., Brumă M., NEW POLYIMIDES BASED ON EPICLON, *ACTA CHEMICA IASI*, **2010**, 18, 89-100.

Papers on ISI indexed Conferences

- [1] **Popovici D.**, Vasilescu D.S., Vlad S., Stoica I., Hemocompatibility Evaluation Of Partially Aliphatic Copolyimides Films Containing Carboxyl Pendant Group, in *Proceedings of the 15th International SGEM GeoConference* STEF92 Technology Ltd., Albena Bulgaria, **2015**, 1, 435-442.
- [2] **Popovici D.**, Vasilescu D.S., Computational Study Of Cyclodehydration Of Bicyclo[2.2.2]Oct-7-Ene-2,3,5,6-Tetracarboxylic Dianhydride Base Amidic Acid, in *Proceedings of the 15th International SGEM GeoConference* STEF92 Technology Ltd., Albena Bulgaria, 16 – 26 Iunie 2015, **2015**, 1, 33-40.
- [3] **Popovici D.**, Hulubei C., Musteata V.E., Cozan V., Brumă M., Müller A., LOW DIELECTRIC CONSTANT POLYIMIDES CONTAINING ALICYCLIC SEGMENTS, in *Proceedings of the 34th International Semiconductor Conference, CAS 2011*, IEEE - Electron Devices Society, Sinaia, Romania, 17 - 19 October, **2011**, vol. 2, .
- [4] **Popovici D.**, Hulubei C., Musteata V.E., Brumă M., Müller A., NEW POLYIMIDES CONTAINING ALIPHATIC SEGMENTS AND THIN FILMS BASED ON THEM, in *Proceedings of the 33th International Semiconductor Conference, CAS 2010*, IEEE - Electron Devices Society, Sinaia, Romania, 11 - 13 October, **2010**, vol. 2, 333-336.

Digital skills

Working skills in computational chemistry - HyperChem, Material Studio, Gamess, Abalone. Advanced command of Office tools, intermediate knowledge of graphic design application and web design (html). Working skills with Windows, Linux and MacOS operation systems.