

Mihail D. BARBOIU

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Education:

Université POLITEHNICA de Bucarest, Romania,	B.E. (Hons)	1993
Université Montpellier II, France	M.S. ; Ph.D.	1 995, 1998
Université Montpellier II, France	Hab. Ph.D.	2004

Appointments:

2008-present: CNRS Senior Scientist: Institut Européen des Membranes de Montpellier, France.
2013-present: Professor, Sun-Yat-Sen University, Guangzhou, China.
2007-2011: Associate Professor University POLITEHNICA of Bucharest.
2001-2008: CNRS Research Scientist– Group Leader : Institut Européen des Membranes.
1999-2001: Assistant Professor, Collège de France, ISIS-ULP, Strasbourg
1993-1998: Assistant Professor: University POLITEHNICA of Bucharest.
1993-1998 Head of Supramolecular Chemistry Department, RCMM Bucharest, Romania.

Honors and Awards:

1. Prix André Collet 2024, Groupe de Chimie Supramoléculaire, DCO, Société Chimique de France.
2. European Young Investigator Award 2004, European Science Foundation and EUROHORCs
3. Royal Society of Chemistry, RSC Surfaces and Interfaces Award 2015.
4. Fellow of the Royal Society of Chemistry
5. Academic Merit Prize- Romanian Academy, Bucharest.
6. The Order of Faithful Service (Romanian: Ordinul Național "Serviciul Credincios"), 2016.
7. Costin D. Nenitescu Medal and Honour Award of Romanian Chemical Society, 2007

Selected Publications:

1. M. Di Vincenzo, A. Tiraferri, V.-E. Musteata, S.Chisca, R.Sougrat, L.-B. Huang, S. P. Nunes, **M. Barboiu**, Biomimetic artificial water channels membranes for enhanced desalination. *Nat. Nanotechnol.* **2020**, DOI: 10.1038/s41565-020-00796-x;
2. S.-P. Zheng, J.-J. Jiang, A. van der Lee, **M. Barboiu*** **Very Important paper and Frontispice Picture.** Voltage-responsive synthetic Cl⁻ channel regulated by pH. *Angew. Chem.* **2020**, *132*, 19802-19888
3. S.-P. Zheng, Y.-H. Li, J.-J. Jiang, A. van der Lee, D. Dumitrescu, M. Barboiu, Self-Assembled Columnar Triazole-Quartets - an example of synergetic H-bonding / Anion- π Channels, *Angew. Chem. Int. Ed.* **2019**, *58*, 12037 –12042.
4. **M. Barboiu***, Encapsulation versus self-aggregation toward highly selective artificial K⁺ Channels, *Acc. Chem. Res.* **2018**, *51*, 2711–2718.
5. Y. Zhang, **M. Barboiu**, Constitutional Dynamic Materials. Toward Natural Selection of Function, *Chem. Rev.* **2016**, *116*, 809-834.

Peer review publications – 394 (Papers 329 Proceedings –31; Books and Chapters – 25, Patents-7)

Lectures/communications -453 (Invited Lectures-210, Invited Seminars – 93, Communications -150)

Synergistic Activities:

1. Constitutional Dynamic Chemistry, *Topics in Current Chemistry*, M Barboiu Editor, Springer Verlag, **2012**. ISBN103642283438; ISBN13 9783642283437,
2. Chairman of Faraday Discussions RSC “Artificial Water Channels” 25-27 June 2018, Glasgow, GB, <http://rsc.li/water-channels>. Artificial Water channels, *Faraday Discuss*, **2018**, volume 209 M. Barboiu editor.
3. RSC Special Issue of Organic and Biomolecular Chemistry 2015, Multivalent Biomolecular Recognition - S. Vincent, O. Ramstrom and M. Barboiu Editors

Accord for publication on the web site of Univrsity of Bucharest

