

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.	1995, 1998
Université Montpellier II, France	Hab. Ph.D.	2004

Appointments:

2008-present:	CNRS Senior Scientist: Institut Européen des Membranes de Montpellier, France.
2013-present:	Invited Professor, Sun-Yat-Sen University, Guangzhou, China.
2007-date:	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. RSC Surfaces and Interfaces Award 2015
2. European Young Investigator Award 2004, European Science Foundation and EUROHORCs
3. HYMAP Mid-Carrer Award 2014
4. Academic Merit Prize- Romanian Academy, Bucharest, 2008
5. “Costin D. Nenitescu” Medal and Honour Award of Romanian Chemical Society, 2007
6. Fellowship of Pole European Universitaire de Montpellier 1998-1999
7. Bronze medal – XIXth International Chemistry Olympiad, Vézsprem- Hungary, 1987
8. Gold Medal – Ist Balkan Chemistry Olympiad - Bucharest, Romania, 1987.

Selected Publications:

1. **M. Barboiu**, Y. Le Duc, A. Gilles, P.-A. Cazade, M. Michau, Y.-M. Legrand, A. van der Lee, B. Coasne, P. Parvizi, T. Fyles. An artificial primitive mimic of Gramicidin-A channel, *Nature Comm.* **2014**, 5, 4142.
2. **M. Barboiu** and A. Gilles, From natural to bio-assisted and biomimetic artificial water channel systems. *Acc. Chem. Res.* 2013, 46, 2814–2823. doi: 10.1021/ar400025e.
3. Y.M. Legrand, A. van der Lee, **M. Barboiu**, Single-crystal X-ray structure of 1,3-dimethyl-cyclobutadiene by confinement in a crystalline matrix, *Science*, **2010**, 329, 299-302.
4. Y. Le Duc, M. Michau, A. Gilles, V. Gence, Y.-M. Legrand, A. van der Lee, S. Tingry, **M. Barboiu**, Imidazole I-quartet water and proton dipolar channels, *Angew. Chem. Int. Ed.* **2011**, 50(48), 11366-11372.
5. **M. Barboiu**, Dynamic Interactive Systems - Dynamic selection in hybrid organic-inorganic constitutional networks, Feature Article, *Chem. Commun.* **2010**, 46, 7466-7476.

Peer review publications – 233 (Papers 183, Proceedings –28; Books and Chapters – 18, Patents-4)

Lectures/communications -322 (Invited Lectures-125, Invited Seminars – 50, Comms -87, Posters 61)

Synergistic Activities:

1. Constitutional Dynamic Chemistry, *Topics in Current Chemistry*, **M Barboiu** Editor, Springer Verlag, **2012**. ISBN103642283438; ISBN13 9783642283437,
2. Special Issue of *Israel J. Chem.* 2013,53(1-2), Constitutional Dynamic Systems
3. *Systems Membranes- complex roadmaps toward functional devices and coupled processes*, **Mihail Barboiu** Editor, **2010**, PRINTECH ED, Bucharest Romania, ISBN 978-606-521-526-9.
4. Coordination of a Special Issue of Journal of Membrane Science **2008**, edited by Elsevier: "From simple molecules to complex membrane systems: bringing the molecular information to membranes and the converse"