Prof. Redouane Borsali

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https://polynat.eu/fr/perso
nnel/comite-de-direction/

CNRS Research Director (Exceptional Class), DRCE2

Director of PolyNat Carnot Institute, Grenoble, France

Member of the European Academy of Sciences (EurASc)

Self-Assembly of Glycopolmer Group Leader – CERMAV, Grenoble

University Grenoble Alpes, Grenoble, France

PROF. REDOUANE BORSALI, PHD
CNRS RESEARCH DIRECTOR (EXCEPTIONAL CLASS), DRCE2
DIRECTOR OF POLYNAT CARNOT INSTITUTE, GRENOBLE, FRANCE
MEMBER OF THE EUROPEAN ACADEMY OF SCIENCES (EurASc)
HTTPS://WWW.EURASC.ORG
SELF-ASSEMBLY OF GLYCOPOLMER GROUP LEADER – CERMAV, GRENOBLE
UNIVERSITY GRENOBLE ALPES, GRENOBLE, FRANCE
redouane.borsali@univ-grenoble-alpes.fr
Phone: +33 6 63 71 72 57

ACTUAL POSITIONS:

- Director of PolyNat Carnot Institute (from 2011 –until today)
  gathering 6 Laboratories and 2 Technical Centers – Grenoble (about 400 Persons)
  "High-added Value for, innovative, functional, biosourced and flexible Materials"
  http://www.polynat.eu/en
- Group Leader (from 2010-until today) – (15-20 persons) "Self-Assembly of Block copolymer systems: Nanoparticles and Thin Films" (CNRS) http://www.cermav.cnrs.fr/en/physico-chemistry-of-glycopolymers
- Co-Director of Green Material Institute, NTU, Taipei, Taiwan since 2021

FORMER POSITIONS:

- Executive Director for International Relations Grenoble Alpes Univ. (from 2016-2019)
- Director of CERMAV (2007-2015) –(150 persons) A CNRS Laboratory of Glycosciences, UGA, Grenoble, France
- Group Leader (7 years , 2000-2006) – (15-20 persons), (LCPO), Bordeaux University, France
- Visiting Professor (2 years), Chem. Department, Stanford University, CA, USA
- Visiting Scientist (1 year) IBM, Almaden, San Jose, CA, USA
- Post-doc (2 years, 1989-1990) Max-Planck-Institute for Polymer Research, Mainz, Germany –

EARNED DEGREES

- Priv. Doz./ Habilitation to lead Research, Joseph Fourier University, Grenoble, France (1992)
- PhD in Polymer Sciences, Louis Pasteur University, Strasbourg, France (1988)
- MASTER in Polymer Sciences, Louis Pasteur University, Strasbourg, France (1985)

PUBLICATIONS, CONFERENCES & SUPERVISOR

- 296 Publications; H-index= 45, Citations: 6900, Average Citation : 26
- 5 patents
- >120 invited international conferences
- Chair/co-Chair of 24 International Conferences on « Polymers & Colloids »
- Supervisor of 27 Post-docs, Supervisor or Co-supervisor of 43 Phd students, Supervisor of 24 Masters

MEMBER OF THE ACADEMY OF SCIENCE

MEMBER OF THE EUROPEAN ACADEMY OF SCIENCES (EurASc) since March 2022
HTTPS://WWW.EURASC.ORG

EDITORIAL BOARD MEMBER:

- Nanomaterial, Open Access Journal – MDPI;
- Chemosensor, Open Access Journal – MDPI;
- Materials Research: Iberico-American Material Journal,…

4 Books + 1 in preparation:

- 1-**R. Borsali** and R. Pecora (Editors) "Structure and Dynamics of Polymers and Colloïds", NATO ASI Series, Kluwer Publisher Vol 568, 2002., 477 Pages ISBN: 9781402005022
- 2-R**. Borsali** and V. Soldi (Editors) "Advanced Polymeric Materials" Macromol. Sympos. FBPOL Wiley-VCH Vol 229, 2005, 280 Pages ISBN: 978-3-527-31332-7
- 3-**R. Borsali** and R. Pecora (Editors) "Soft Matter: Scattering, Imaging & Manipulation" 4 Volumes Springer Publisher (2008), 1400 pages ISBN: 978-1-4020-4464-9
- 4-V. Soldi and **R. Borsali** (Editors) Proceedings of the 2nd "French-Brazilian-Polymer" FBPOL2008 Conference published in "Materials Science and Engineering: C Supramolecular Science Volume 29, Issue 2, Pages 357-662 (2009)
- 5- **R. Borsali** & R. Pecora, Dynamics in Liquids and Soft Matter: From Angstroms to the Nanoscale, in preparation 2022 -(Wiley)

INTERNATIONAL COLLABORATIONS

- Europe: several European Universities
- Japan : Hokkaido University, Kanazawa University, Yamagata University, Tokyo Tech and Kyoto University
- Taiwan: National Taiwan University, and NTUT
- Brazil : Santa Catarina University (Florianopolis)
- USA: Stanford University, Chicago University and Univ Texas, USA
- China : Fudan University and Shanghai University

EXPERTISE: Soft-matter: Polymer and colloid science

Self-assemblies of Carbohydrate-based block copolymers (BCP) systems, including

- Thin films and their properties/applications in nano-electronics including:
    - Nanostructured materials, smart surfaces, nanolithography, photovoltaic, memory device,…
- Directed Self-Assembly (DSA). Photonic crystals – (colored Biomaterials)
- Nanoparticles (micelles) & Polymersomes and their properties/applications in cosmetic & biomedical

LIST OF THE 10 MOST IMPORTANT PUBLICATIONS (Listed with Impact Factor : IF)

1. Y. Liao, W.C. Chen & **R. Borsali*** **(IF=31)**
   Carbohydrate-Based Block Copolymer Thin Films: Ultrafast Nano-Organization with 7 nm Resolution Using Microwave **Adv. Mater.,** 1701645, doi: 10.1002/adma.201701645, **2017**, 1-6
2. Y.C. Chiu, H.S. Sun, **R. Borsali*** & W.C. Chen* **(IF=31)**
   Oligosaccharide Carbohydrate Dielectrics High-Performance Non-Volatile Transistor Memory Devices, **Adv. Mater**., 27(40), Doi: 10.1002/Adma.201502088, **2015**, 6257-6264
3. J.L. Hammond, A.J. Gross, F. Giroud, C. Travelet, **R. Borsali*** & S. Cosnier***(IF= 20)**
   Solubilized Enzymatic Fuel Cell (SEFC) for Quasi-Continuous Operation Exploiting Carbohydrate Block Copolymer Glyconanoparticle Mediators **ACS Energy Lett**., 4, **2019**, 142–148
   doi : 10.1021/acsenergylett.8b01972,
4. C.C. Hung, Y.C. Chiu, H.C. Wu, C. Lu, C. Bouilhac, I. Otsuka, S. Halila, **R. Borsali,** S.H. Tung & W.C.Chen **(IF=19)**
   Conception of stretchable resistive memory devices based on nanostructure-controlled carbohydrate-block-polyisoprene block copolymers - **Adv. Funct. Mater**., 27(13), **2017**, 1-10
   https://doi.org/10.1002/adfm.201606161,
5. C. Chiu, I. Otsuka, S. Halila**, R. Borsali*** & C. Chen*, **(IF=19)**
   High-Performance Nonvolatile Transistor Memories of Pentacence Using The Green Electrets of Sugar-Based Block Copolymers And Their Supramolecules,Adv. Funct. Mater., 24(27), **2014**, 4240-4249 https://doi.org/10.1002/adfm.201304297

6. A.J. Gross, X. Chen, F. Giroud, C. Travelet, **R. Borsali*** & S. Cosnier *
Redox-Active Glyconanoparticles as Electron Shuttles for Mediated Electron Transfer with Bilirubin Oxidase in Solution
JACS - J. Am. Chem. Soc., 139, DOI: 10.1021/jacs.7b09442, **2017**, 16076-16079 **(IF=16)**
7. J.D. Cushen, I. Otsuka, C.M. Bates, S. Halila, S. Fort, C. Rochas, J.A.Easley, E. Rausch, A. Thio, R. **Borsali*,** C.G. Willson* & C.J. Ellison, **(IF=16)**
Oligosaccharide/Silicon-Containing Block Copolymers with 5 Nm Features for Lithographic Applications, **ACS Nano**, 6(4), **2012**, 3424-3433 - https://doi.org/10.1021/nn300459r
8. Sebastien Benas, Fang-Cheng Liang, Wei-Cheng Chen, Chung-Wei Hung, Jung-Yao Chen, Ye Zhou, Su-Ting, **Redouane Borsali**, Chi-Ching Kuo **(IF=13)**
"Lewis adduct approach for self-assembled block copolymer perovskite quantum dots composite toward optoelectronic application: Challenges and prospects"
Chemical Engineering Journal (2021)- https://doi.org/10.1016/j.cej.2021.133701
9. Paulo Henrique M. Buzzetti, Marie Carrière, Monica Brachi, Karine Gorgy, Muhammad Mumtaz, **Redouane Borsali** and Serge Cosnier***(IF=13).**
Organic β-cyclodextrin nanoparticle: an efficient building block between functionalized polypyrrole electrodes and enzymes
SMALL , DOI:10.1002/smll.202105880**) – 2022**
10. Sakai-Otsuka, Y, Ogawa, Y, Satoh, Chen, W.-C, **Borsali, R*(IF=10).**
Carbohydrate-attached fullerene derivative for selective localization in ordered carbohydrate-block-poly(3-hexylthiophene) nanodomains
CARBOHYDRATE POLYMERS, Volume 255, Article Number 117528, **2021**
https://doi.org/10.1016/j.carbpol.2020.117528

GRANTS AND INDUSTRIAL PROJECTS : PRINCIPAL INVESTIGATOR – R. BORSALI – RECENT PROJECTS

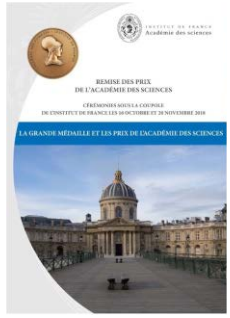
1. Coordinator of a European Project (2014-2017) involving 10 Academic and Industrial partners: « GreeNanoFilms » (5.2 M€) "Development and application of ultra-high resolution nano-organized films by self-assembly of plant-based materials for next generation opto- and bio-electronics"
2. « SweetMemory » ANR International France-Taiwan (2015-2018) « Design of memory transistors using biosourced BCP as dielectric layer » 480K€
3. Project « Emergence 2015-2018 « BioTriCo » Univ. Grenoble Alpes (180K€)
4. ANR « SweetSurf » 2017-2020 «Sub_10nm nanostructured thin films made from carbohydrate-based diblock copolymers: a new strategy for long-Range order"
5. Project with Solvay: « Smart surfaces made from carbohydrate-based diblock copolymers" (110K€)
6. ANR « NanoFueCell » 2019-2021 «Nanoparticles made from carbohydrate-based diblock copolymers: a new strategy for FueCell" (190K€)
7. Project IDEX – UGA-CNRS-CERMAV Grenoble– and NTU Taipei, Taiwan Topic : memory devices- 2019-2020
8. IRGA Project with NTU Taiwan, "Green Material Institute" PhD Dual Degree UGA-NTU - Stretchable memory devices using carbohydrates block copolymer systems (110K€) 2021-2023

HONORS AND AWARDS

1. MEMBER OF THE EUROPEAN ACADEMY OF SCIENCES (EurASc)
2. SPSJ international award (Society Polymer Sciences, Japan) – 2020

3. Scientific Grand Prize France Taiwan– Awards Academy of Science, Paris, France, 2018
4. Awards: "Star of Europe" : in Research and Innovation given by The Ministry of Education and Research for the European "Greenanofilms" Project– Paris- 4th December 2017

https://news.cnrs.fr/articles/european-research-in-focus



Academy of Sciences- Paris International Scientific Grand Grand Prize France-Taiwan 2018

SPSJ international award (Society Polymer Sciences, Japan) – 2020

CHAIR / CO-CHAIR OF 24 INTERNATIONAL CONFERENCES /ASI/ACS IN « POLYMERS AND COLLOIDS SCIENCE »

1. **POLYMER-SCIENCE-2021** - 2nd International Conference and Exhibition on Polymer Science & Technology - September 27-29, Webinar – Plenary Lecture and chair - R. Borsali
2. Chair of a session: International Congress on **Advanced Materials Sciences and Engineering 2019** – Osaka July 22-24th, Japan (R. Borsali)
3. 2st Asian-French-Workshop on self-assembly of Block Copolymers (Sapporo 18-21th, 2019) with invited speakers from Japan (Sapporo, Kanazawa, Tokyo Tech, Kyoto), Taiwan and Korea – Chair: Prof Toshifumi Satoh & R. Borsali
4. 2st Asian-French-Workshop on self-assembly of Block Copolymers (held in Sapporo 18-21th, 2019) in Sapporo with invited speakers from Japan (Sapporo, Kanazawa, Tokyo Tech, Kyoto), Taiwan and Korea – Chairs Prof Toshifumi Satoh and R. Borsali
5. 5th Edition of **PolyNat International Industries Forum** 2019 held on May 14th-15th, 2019 - Grenoble - Invited speakers from Industries including Europe, Japan, Taiwan and USA- (Chair: R. Borsali)
6. 1st Asian-French-Workshop on self-assembly of Block Copolymers (held in June 14-16th, 2018) in Grenoble with invited speakers from Japan (Sapporo, Tokyo Tech, Kyoto), Taiwan (Taipei) and Korea (Daejeon, KAIST) - Chairs R. Borsali and Prof Toshifumi Satoh
7. 4th Edition of **PolyNat** International Industries Forum 2018 held on May 15th-16th, 2018 - Grenoble - Invited speakers from Industries including Europe, Japan, Taiwan and USA- Chair: R. Borsali
8. 5th Polymer French-Brazilian Meeting **FBPOL2018**, in Florianopolis (Brazil) – will be held in April 2018, Chairs: R. Borsali (CNRS, CERMAV), E. Minatti (Florianopolis, Brazil) & E. Muniz (Maringa, Brazil) ([http://fbpol.net/)](http://fbpol.net/)
9. 3rd Edition **Polynat International Industrial Forum**: June 15 and 16, 2017 Grenoble, http://www.polynat.eu/Chair : R. Borsali
10. HU-NTU-CERMAV Joint Symposium on Functional Materials 2016 HU: Hokkaido University, Japan, NTU: National Taiwan University, Taiwan ; CNRS-CERMAV, Grenoble held in Frontier Research in Applied Sciences Building, Faculty of Engineering, Hokkaido University Sapporo, Japan, August 05th, 2016, Chairs : T. Satoh , W.-C. Chen & R. Borsali
11. 2nd Edition **Polynat International Industrial Forum**: June 2nd and 3rd 2016 Grenoble, http://www.polynat.eu/Chair : R. Borsali
12. France-Japan Joint Seminar on "Functional Block Copolymer" September 2015, http://poly-bm.eng.hokudai.ac.jp/fjjs2015/ in Grenoble, France, Chairs R. Borsali & T. Satoh

13. Japan-France Joint Seminar on “Functional Block Copolymer June 2015”, http://poly-bm.eng.hokudai.ac.jp/jfjs2015/ in Sapporo Japan, chairs T. Satoh & R. Borsali
14. 1st Edition **Polynat International Industrial Forum**: May 5th and 6th , 2015 Grenoble, http://www.polynat.eu/
15. 4th Polymer French-Brazilian Meeting **FBPOL2014**, in Florianopolis (Brazil) - November 2014, organizers: R. Borsali (CNRS, CERMAV), E. Minatti & V. Soldi (http://fbpol.net/)
16. France-Japan Joint Seminar on “Functional Block Copolymer 2014”, http://poly-bm.eng.hokudai.ac.jp/fjjs2014/ in Grenoble, France, chairs R. Borsali & T. Satoh
17. Japan-France Joint Seminar on “Functional Block Copolymer 2014”, http://poly-bm.eng.hokudai.ac.jp/jfjs2014/ in Sapporo, Japan, Chairs T. Satoh & R. Borsali
18. **GFP** November 19-22, 2012, Grenoble, Chairs: R. Borsali and S. Halila, http://gfp2012.cermav.cnrs.fr
19. **XI SBPMAT Brazil MRS** September 23-27, 2012 held in Costa de Santinho, Brazil, Symposium G: Nanostructured Polymers and Polymer-based Nanocomposites chairs : K. Dahmouche & R. Borsali : http://www.sbpmat.org.br/
20. 3rd Polymer French-Brazilian Meeting **FBPOL2011**, held in Florianopolis (Brazil) in April 2011, organizers: R. Borsali (CNRS,CERMAV) & V. Soldi (http://fbpol.net/)
21. **ACS Meeting**, Boston, USA; Chairs: R. Borsali (CERMAV, CNRS) & G. Hadziioannou (Bordeaux University), POLY Division ACS, Boston, August 2010 Memorial Symposium in Honor of H. Benoit : "Scattering and Soft-Matter Characterization"
22. 2nd Polymer French-Brazilian Meeting **FBPOL2008**, held in Florianopolis (Brazil) in April 2008, organizers: R. Borsali V. Soldi (http://quimica.ufsc.br/fbpol2008)
23. 1st Polymer French-Brazilian Meeting **FBPOL2005**, held in Florianopolis (Brazil) in April 2005, organizers: R. Borsali (CNRS, LCPO, Bordeaux) & V. Soldi (Chemistry department, Florianopolis University (http://quimica.ufsc.br/fbpol2005)
24. **Advanced Study Institute -NATO Science**: “Structure & Dynamics of Polymer and Colloids” held in Les Houches, France 1999. Chairs: R. Pecora (Stanford Uni, Chem. Dept, USA) & R. Borsali (CNRS, CERMAV)

OTHER SCHOLARLY AND CREATIVE ACCOMPLISHMENTS

1. CNRS : Press, Paris, May 2012

“Electronique souple : de nouveaux films ultra-minces permettent une miniaturisation et une capacité de stockage augmentées” par R. Borsali (CERMAV) et G. Willson (Univ. Texas, Austin, USA**)-May 2102**

http://www2.cnrs.fr/presse/communique/2607.htm

2. CNRS : From the laboratory Paris, April 2014

“Mémoire flash à base de sucre et polymères: une nouvelle approche pour des performances de haut niveau” by R. Borsali (CERMAV) et W.-C. Chen. (NTU, Taipei, Taiwan) – **May 2014**

http://www.cnrs.fr/inc/communication/direct_labos/borsali.htm

3. CNRS : From the laboratory CNRS Paris, **January 2018**

“Nano-organisation de copolymers biosourcés ultra-rapide obtenu par Micro-ondes: 1 seconde ” by R. Borsali (CERMAV)

COURSES TAUGHT

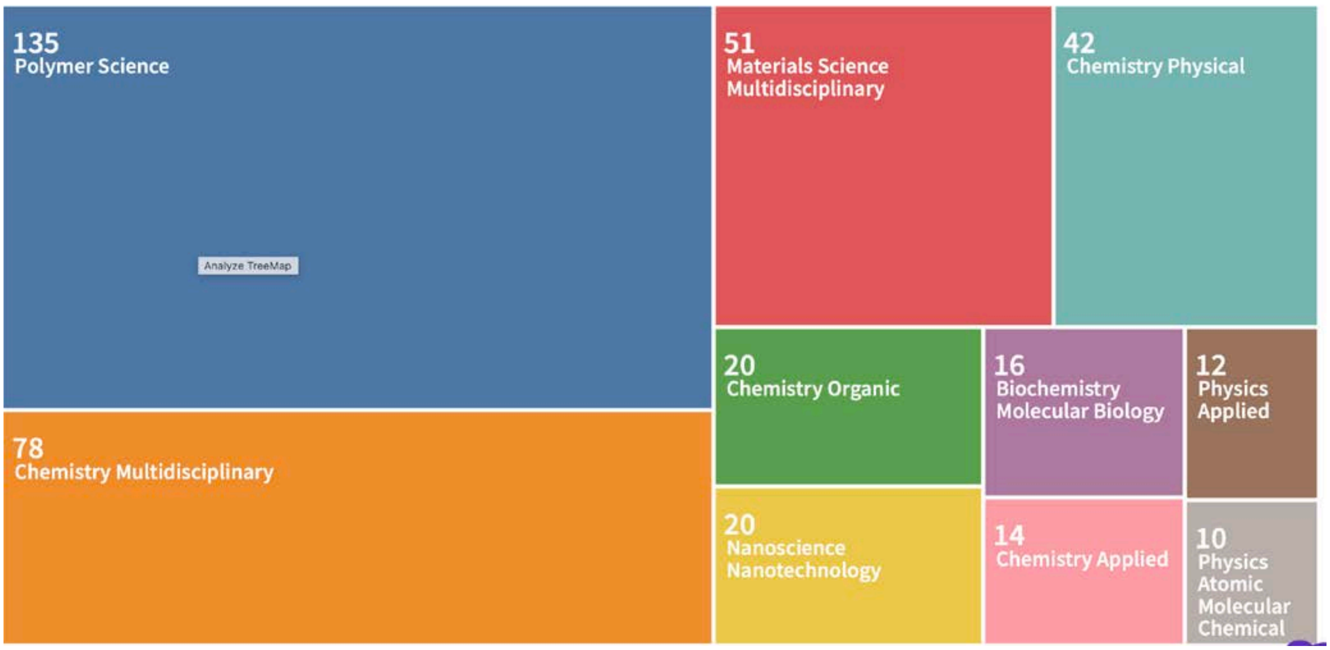
- Series of lectures (20H) Physico-Chemistry of Polymers :
  - Visiting Prof (3 months) Japan (Hokkaido Univ., Sapporo),
  - Visiting Prof (3 month) Taiwan (NTU, Taipei),
  - Visiting Prof (2 months) China (Fudan Univ., Shanghai),

- Visiting Prof Brazil (many visits and lectures in differents Universities: Florianopolis, Maringa, Curitiba, Porto Alegre, Rio de Janeiro, Natal)
- Visiting Prof Belgium (Mons Univ)
- Bordeaux University
- Grenoble Alpes University

INDIVIDUAL STUDENT GUIDANCE

- Supervisor of 27 Post-docs
- Supervisor or Co-supervisor of 43 Phd students
- Supervisor 24 Masters

PUBLICATION CHART SELECTED FROM WEB OF SCIENCE CORE COLLECTION. – BORSALI REDOUANE – MARCH 2022 (BY



See complete PUBLICATION LIST next page - (296 Publications; H-index= 45, Citations: 6900, Average Citation : 26) including 260 peer- reviewed articles in international journals, 27 proceedings and 9 Chapter reviews

BORSALI Redouane - Complete list of Publications – March 2022

5 Patents

5- Y. C. Chiu, H. S. Sun, W. Y. Lee, S. Halila, R**. Borsali,*** and W. C. Chen,* "Memory Devices With Carbohydrate Charge Storage Layer", ROC (Taiwan) patent I576357 (issued period: 2017/4/1~2035/10/19).

4-Y.C. Chiu, H.S. Sun, W.Y. Lee, S. Halila, **R. Borsali*** & W.C. Chen "Oligosaccharide Carbohydrate Dielectrics Toward High-Performance Non-Volatile Transistor Memory Devices" Patent taiwan (2015), extension to USA (2016)

3-C.J. Ellison, J. Cushen, I. Otsuka, C.G. Willson, C. Bates J.A. Easley, **R. Borsali***, S. Fort & S. Halila, Oligosaccharide/Silicon-Containing Block Copolymers For Lithography Applications, Patent No Us2013022785, Publ. On 24/01/2013

2- K. Aissou, S. Halila, S. Fort, **R. Borsali*** & T. Baron, Thin Films Organized In Nanodomains On The Basis Of Copolymers Having Polysaccharide Blocks For Applications In Nanotechnology, Patent No Wo2012013911 Publ. On 02/02/2012, CNRS

1-Giehl Zanetti, V. Soldi, S.E.M. Teixeira, H. Cramail, **R. Borsali*** & E. Cloutet « nanopartÍculas biodegradable para encapsulasion de ingredientes ativos, processo para sua obtenço, composiço compreendendo nanopartÍculas Patent n° de publication : BRPI0705599, issued 19/04/2007, Univ. Féd. Santa Catarina, Brésil

(296 Publications; H-index= 45, Citations: 6900, Average Citation : 26) including 260 peer- reviewed articles in international journals, 27 proceedings and 9 Chapter reviews

PUBLICATION LIST - (296 Publications; H-index= 45, Citations: 6900, Average Citation : 26) including 260 peer- reviewed articles in international journals, 27 proceedings and 9 Chapter reviews

Year 2022

260-Paulo Henrique M. Buzzetti, Marie Carrière, Monica Brachi, Karine Gorgy, Muhammad Mumtaz, **Redouane Borsali**, Serge Cosnier
Organic β-cyclodextrin Nanoparticle: An Efficient Building Block Between Functionalized Poly(pyrrole) Electrodes and Enzymes
Small (January 2022)
https://doi.org/10.1002/smll.202105880

259-Johanna Majoinen, Cécile Bouilhac, Patrice Rannou, and **Redouane Borsali**
"Unidirectional Perpendicularly Aligned Lamella-Structured Oligosaccharide (A) ABA Triblock Elastomer (B) Thin Films Utilizing Triazolium+/TFSI– Ionic Nanochannels"
ACS Macro Lett. 2022, 11, XXX, 140–148
Publication Date: January 3, 2022
https://doi.org/10.1021/acsmacrolett.1c00712
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258-Monica Brachi, Paulo Henrique M. Buzzetti, Karine Gorgy, Dan Shan, Pierre Audebert, Alan le Goff, Hong Li, **Redouane Borsali**, and Serge Cosnier
"Trialkoxyheptazine-Based Glyconanoparticles for Fluorescence in Aqueous Solutions and on Surfaces via Controlled Binding in Space"
ACS Macro Lett. 2022, 11, XXX, 135–139
Publication Date: January 3, 2022
https://doi.org/10.1021/acsmacrolett.1c00693
© 2022 American Chemical Society

257-Anette Löfstrand, Alexei Vorobiev, Muhammad Mumtaz, **Redouane Borsali** and Ivan Maximov "Sequential Infiltration Synthesis into Maltoheptaose and Poly(styrene): Implications for Sub-10 nm Pattern Transfer"
Polymers 2022, 14(4), 654; **https://doi.org/10.3390/polym14040654**

256. Li, H.; Mumtaz, M.; Isono, T.; Satoh, T.; Chen, W.-C.; **Borsali, R**. "Self-Assembly of Carbohydrate-based Block Copolymer Systems: Glyconanoparticles and Highly Nanostructured Thin Films"
Polym J **54,** 455–464 (2022). https://doi.org/10.1038/s41428-021-00604-w

255-Marília Cestari, Barbara Sthefani Caldas, Dyenefer Pereira Fonseca,
Rodolfo Bento Balbinot, Danielle Lazarin-Bidoia, Issei Otsuka, Celso Vataru Nakamura, Redouane Borsali, Edvani Curti Muniz
Silk fibroin nanofibers containing chondroitin sulfate and silver
sulfadiazine for wound healing treatment
Journal of Drug Delivery Science and Technology (**2022**)
https://doi.org/10.1016/j.jddst.2022.103221

Year 2021

254. Sebastien Benas, Fang-Cheng Liang, Wei-Cheng Chen, Chung-Wei Hung, Jung-Yao Chen, Ye Zhou, Su-Ting, **Redouane Borsali**, Chi-Ching Kuo -
"Lewis adduct approach for self-assembled block copolymer perovskite quantum dots composite toward optoelectronic application: Challenges and prospects"
CHEMICAL ENGINEERING JOURNAL (2021)- https://doi.org/10.1016/j.cej.2021.133701

253-Lofstrand, A, Jam, RJ, Mothander, K, Nylander, T, Mumtaz, M, Vorobiev, A, Chen, WC, **Borsali, R,** Maximov, I
Poly(styrene)-block-Maltoheptaose Films for Sub-10 nm Pattern Transfer: Implications for Transistor Fabrication
ACS APPLIED NANO MATERIALS
Volume4, Issue5, Page 5141-5151, DOI 10.1021/acsanm.1c00582, Published May 28 2021

252-Marie Carrière, Paulo Henrique M. Buzzetti, Karine Gorgy, Muhammad Mumtaz, Christophe Travelet, **Redouane Borsali**,* and Serge Cosnier*
Functionalizable Glyconanoparticles for a Versatile Redox Platform
NANOMATERIALS
2021, 11(5), 1162; https://doi.org/10.3390/nano11051162, Published: 29 April 2021

251- Sakai-Otsuka, Y, Ogawa, Y, Satoh, T, Chen, WC, **Borsali, R**
Carbohydrate-attached fullerene derivative for selective localization in ordered carbohydrate-block-poly(3-hexylthiophene) nanodomains
CARBOHYDRATE POLYMERS
Volume255, Article Number117528, DOI 10.1016/j.carbpol.2020.117528, Published Mar 1 2021

250-Yuling Liu, Tengda Hu, Yilian Li, Yang Lin, **Redouane Borsali**,*, Yingjie Liao*
Fast Self-assembly Methods of Block Copolymer Thin Films
PROGRESS IN CHEMISTRY DOI: 10.7536/PC210419
Online: 29 July, 2021 Published: 29 July, 2021

249-Villetti, MA; Clementino, AR ; Dotti, I; Ebani, PR ; Quarta, E; Buttini, F; Sonvico, F; Bianchera, A ; Borsali, R
Design and Characterization of Maltoheptaose-b-Polystyrene Nanoparticles, as a Potential New Nanocarrier for Oral Delivery of Tamoxifen
MOLECULES, Volume 26 Issue 21 Article Number 6507 (2021)
DOI 10.3390/molecules26216507

248-Cardoso, MA; Mogharbel, BF ; Irioda, AC ; Stricker, PEF ; Slompo, R; Perussolo, MC, Perussolo; Travelet, C ; Halila, S; **Borsali* R** ; de Carvalho, KAT*
Biodegradable nanoparticles loaded with levodopa and/or curcumin for treatment of Parkinson's disease
EUROPEAN JOURNAL OF PUBLIC HEALTH Volume31, Page 23-23
DOI 10.1093/eurpub/ckab120.070

Year 2020

247- Pan, SH, Zhu, ZQ, Liu, KP, Yu, H, Liao, YJ, Wei, B, **Borsali, R**, Guo, KP
Reliability of organic light-emitting diodes in low-temperature environment
CHINESE PHYSICS B
Volume 29, Issue12, Article Number 128503, DOI 10.1088/1674-1056/abc154, Published Dec 2020

246-Sakai-Otsuka, Y, Nishiyama, Y, Putaux, JL, Brinkmann, M, Satoh, T, Chen, WC, **Borsali, R**
Competing Molecular Packing of Blocks in a Lamella-Forming Carbohydrate- block- poly(3-hexylthiophene) Copolymer
MACROMOLECULES, Volume 53**,** Issue 20**,** Pages 9054-9064 DOI10.1021/acs.macromol.0c01801

245-Isono, T, Komaki, R, Lee, C, Kawakami, N, Ree, BJ, Watanabe, K, Yoshida, K, Mamiya, H, Yamamoto, T, **Borsali, R**, Tajima, K, Satoh, T
Rapid access to discrete and monodisperse block co-oligomers from sugar and terpenoid toward ultrasmall periodic nanostructures
COMMUNICATIONS CHEMISTRY Vol 3, Issue1,135, DOI10.1038/s42004-020-00385-y, 2020

244-Isono, T, Nakahira, S, Hsieh, HC, Katsuhara, S, Mamiya, H, Yamamoto, T, Chen, WC, **Borsali, R**, Tajima, K, Satoh, T
Carbohydrates as Hard Segments for Sustainable Elastomers: Carbohydrates Direct the Self-Assembly and Mechanical Properties of Fully Bio-Based Block Copolymers
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4) Controlled Synthesis & Properties Of Cyclic Polymers (Book Chapter) A. Deffieux And **R. Borsali** In « Macromolecular Engineering: From Precise Macromolecular Synthesis To Macroscopic Materials Properties And Applications, » Eds : K. Matyjaszewski,. Gnanou, L. Leibler Editors, Wiley-VCH, **2007**

3)-**R. Borsali** (Book Chapter) “Structure and Dynamics Of Block Copolymers And Polymer Blends” In **« Structure And Dynamics Of Polymer And Colloidal Systems »** Editors R. Borsali & R. Pecora (2002) Kluwer Academic Publishers NATO ASI Serie, **2002**, 263-309.

2)-**R. Borsali** (Book Chapter) “Structure and Dynamics Of Polyelectrolyte Solutions” In Handbook Of Polyelectrolytes And Their Applications, Edited By Sukant Tripathy, J. Kumar And. S. Nalwa, **American Scientific Publishers, Los Angeles** (**2002**) Vol II, Chap 9 ; P 187

1)-**Borsali, R.** (Book Chapter) "Scattering Properties Of Ternary Polymer Solutions" "Light SCATTERING. PRINCIPLES & DEVELOPMENT" Chap 8, Editeur Wyn Brown, Oxford University Press 1996, 255-292.

4 Reviews & "Feature Articles"

4)-M. De Souza Lima & **R. Borsali** (Feature Article)
"Rod-Like Cellulose Microcrystals: Structure, Properties and Applications»
Macromol. Rapid Communications, 2004, 25, 771-787

3)-**Borsali, R**. (Feature Article) "Scattering Properies Of Multicomponent Polymer Solutions: Polyelectrolytes, Homopolymer Mixtures & Diblock Copolymers"
Macromolecular Chemistry & Physics 1996, 197, 3947-3994

2)-**Borsali, R.** (Review Article) "Theoretical And Experimental Aspects Of Dynamic Scattering Properties Of Polymer Solutions: "
TRENDS IN MACROMOLECULES RESEARCH "Editor J. Menon 1994, 1, 49.

1)-**Borsali, R.** (Review Article)
"Dynamic Scattering Properties Of Ternary Polymer Mixtures In Solution And In Bulk"
Advances In Polymer Blends and Alloys Technology" Editor Melvyn A. Kohudic And Kier M. Finlayson, Vol 5, Chapt. 2 P. 22, 1994

108 Invited International Conference

108- R. Borsali (keynote)
Carbohydrate Block Copolymer Self-Assemblies: Nanostructured Thin Films
Intl. Symp. on Advanced Materials at Combined SIPS 2020&2021
Phuket, Thailand, Nov 28- Dec 2, 2021
107- R. Borsali "- (Plenary talk and chair) – Webinar
"Self-Assembly of glycopolymer systems-
POLYMER-SCIENCE-2021 - 2nd International Conference and Exhibition on
Polymer Science & Technology - Septembre 27-29, Webinar – Plenary Lecture and chair
106- R. Borsali: DSA on bio-sourced block copolymer systems-
The 38th International Conference of Photopolymer Science and Technology, Materials & Processes for Advanced Lithography, Nanotechnology and Phototechnology (ICPST-38) organized by SPST will held ONLINE MEETING on June 15 (Tue) - 16 (Wed), 2021.
105- R. Borsali "-Innovation on biopolymers" University of the future
May 31, 2021, Online Meeting, France
104- R. Borsali "-SPSJ (International SPSJ Award) 70th SPSJ Annual Meeting
May 26 -28, 2021 Online Meeting, Japan
103- R. Borsali "-ICPST-37, 2020 – May 18-21, International Conference Hall, Makuhari Messe, Chiba, Japan) Cancelled to COVID-19
102- R. Borsali "- Fukuoka SPSJ (International SPSJ Award Ceremony) Cancelled to COVID-19 – May 27-29, 2020 (invited) , Fukuoka, Japan
101- R. Borsali "-ITRI WORKSHOP, -Biopolymer applications - February 6th, Hinshu, Taiwan
100- R. Borsali "- Okinawa Colloid 2019 – November 2019 (invited and chair of a session) , Okinawa, Japan
99- R. Borsali "-Carbohydrate-based Block Copolymer Systems: Thin Films and Nanoparticles
International Green Materials Workshop -October 2019 (invited speaker)- Taipei, Taiwan

98-R. Borsali “Self-Assembly of Carbohydrate-based Block Copolymer Systems: Sub_10nm Thin Films and Nanoparticles", ICPAFM International Congress on Advanced Materials Sciences and Engineering 2019, Osaka, Japan, 22-24/07/2019 – Chair of a session and invited speaker
97-R. Borsali “Self-Assembly of Carbohydrate-based Block Copolymer Systems", 2nd Asian French Workshop, Sapporo, Japan, 18-21/07/2019 – Co-Chair and invited speaker
96-R. Borsali “Self-Assembly of Carbohydrate-based Block Copolymer Systems ", International Congress on Advanced Materials Sciences and Engineering 2019, Penang, Malaysia 17-21/06/2019 – Keynote invited speaker
95-R. Borsali “Carbohydrate-based Block Copolymer Systems: Thin Films and Nanoparticles", 12th International Polymer Conference (IPC 2018), Hiroshima, Japan, 4-7/12/2018
93-R. Borsali “Carbohydrate-based Block Copolymer Systems: Sub_10nm Thin Films and Nanoparticles", 31st International Microprocesses and Nanotechnology Conference (MNC 2018), Sapporo, Japan, 13 14/11/2018- keynote
93 R. Borsali “Carbohydrate-based Block Copolymer Systems: Sub_10nm Thin Films and Nanoparticles", DSA symposium “Direct Self-Assembly”, Sapporo, Japan, 14-16/11/2018
92 R. Borsali “Carbohydrate-based Block Copolymer Systems: Sub_10nm Thin Films and Nanoparticles", Sino-France Workshop on “New nanostructured materials and biomaterials for renewable electrical energy sources”, Nanjing, Chine, 14-15/10/2018
91-R. Borsali Invited France Taiwan Festival Sciences 13-14 Septembre 2018
90-R. Borsali 1st Asian-French-Workhop on self-assembly of Block Copolymers (held in June 14-16th, 2018), Grenoble, France
89-R. Borsali Invited Speaker to the 35th International Conference of Photopolymer Science and Technology- Materials & Processes for Advanced Lithography, Nanotechnology and Phototechnology June 25 - 28, 2018 -International Conference Hall - Makuhari Messe, Chiba, Japan
88-R. Borsali Invited 4th Edition of PolyNat International Industries Forum 2018 which will be held on May 15th-16th, 2018 - Grenoble -
87-R. Borsali Invited the 5th French Brazilian Polymer Meeting was held in Florianópolis - Brazil on April 16th- 20th, 2018
86-R. Borsali Invited Invited Keynote Speaker - 21-24 February 2018, BioX, International Conference - NUS Campus- CREATE TOWER - Diagnostics, Monitoring & Entrepreneurship 2018 Singapore-
85-R. Borsali Invited Invited Speaker - 12-13 January 2018, ICAPST18, International Conference on Advance Polymer Sciences & Technology, Taipei, Taiwan -
84-R. Borsali – MNC 2017, November 6-9, Ramada Plaza Jeju Hotel, Jeju, Korea
83-R. Borsali -Toshiba – Tokyo- Japan – 20 October 2017 Host : Tsukasa Azuma
82-R. Borsali - Oiji Industries – Tokyo- Japan – 19 October 2017Host : Kazuyo Morita
81-R. Borsali - Tokyo Electron Industries – Tokyo- Japan – 18 October 2017 Host : Seiji Nagahara
80-R. Borsali – 46th World Chemistry Congress - IUPAC, July 6-9, Sao Paulo, Brazil
79-R. Borsali – BioX - Israël, 5-8 Juin 2017
78-R. Borsali – ICBP 2017, 15-18 Mai, Taiwan The 6th International Conference on Bio-based Polymers (ICBP2017) May 14-17, 2017 Yuan Ze University, Taiwan
77-R. Borsali – Académie Sciences - d’Agriculture Paris, 14 Mars 2017
76-R. Borsali – Novembre 8-11, 2016, Korea ICFPAM (Daejon, Korea)
75-R. Borsali – 7th Workshop on Green Chemistry and Nanotechnologies in Polymer Chemistry
4th National Conference on Nanotechnoscience, 4th National Conference on Polymers
ADAM 2016 September 21th - 23th, 2016: Costa Rica
74- R.Borsali Hu-Ntu-Cermav Joint Symposium On Functional Materials At Hokkaido University, Hokkaido University-Ntu- August, 5th 2016
73-R.Borsali Apan- Photopolymer Conferences June 2016
72- R.Borsali Thailand: EMN Biomaterials Meeting Avril 2016
71- R.Borsali Talk WBC 2016, May 2016, Montreal

70- R.Borsali Block Copolymers For Nanotechnology Applications Gargnano - Lake Garda Italy, May 2016
69-R.Borsali February 2016, SPIE 2016, SJ, California, USA
68-R.Borsali November 2015, MNC2015, Toyoma, Japan
67-R.Borsali October 2015, CBPOL2015, Natal, Brazil
66-R.Borsali June 2015, Photopolymer Meeting Tokyo Csiba
65-R.Borsali Mai 2015, Polymer International Sapporo Japan
64-R.Borsali VTT May 2015 Espoo
63-R.Borsali Hyber May 2015 Helsinki
62-R.Borsali Forum International Industries Grenoble May 2015
61-R.Borsali April 2015, MRS San Francisco, Ca, USA
60-R.Borsali February 2015 Engineering & Upscaling Cluster – Greenanofilms Bruxelles- Belgium
59-R.Borsali Nov 2014, MNC2014 International Microprocesses & Nanotechnology Conf, Fukuoka, Japan
58-R. Borsali Nov 2014, FBPOL2014 –Florianopolis, Brazil
57-R. Borsali Oct 2014, SLAP2014, Porto Galienas, Brazil
56-R. Borsali July MACRO2014, Chiang Mai, Thailand
55-R. Borsali April 2014, MRS San Francisco, CA, USA
54-R. Borsali   Bio-Sourced Block Copolymer Self-Assemblies: Ultra High-Resolution Thin Films For Opto- and Bio-Electronic Devices, 2nd Fcc International Symposium, Du 09-10/12/2013, Hokkaido, Japan
53-R. Borsali   Oligosaccharide -Based Block Copolymer Self-Assemblies: Glyconanaparticles And Thin Films For Flexible Electronic Devices   Communication Plénière Internationale, 12º Congresso Brasileiro De Polímeros (Cbpol 2013), 22-26/09/2013, Florianopolis, Brazil
52-R. Borsali Sugar-Based Block Copolymer Self-Assemblies: Ultra High Resolution Thin Films For Opto- And Bio-Electronic Devices, 13th Pacific Polymer Conference, 22/11 2013, Kaohsiung, Taiwan
51-R. Borsali Bio-Based Block Copolymer Thin Films For Opto- And Bio-Electronic Devices, Kaust Polymer Conference From Synthesis To Properties And Applications, 09-13/11 2013, King Abdullah University Of Science And Technology, Kaust, Thuwal, Arabie Saoudite
50-R. Borsali Sugar-Based Block Copolymer Self-Assemblies: Ultra High Resolution Thin Films For Opto- And Bio-Electronic Devices   , 3rd Epnoe, 21-24/10 2013, Acropolis Convention Center, Nice, France
49-R. Borsali, “Block Copolymer Self-Assemblies: Sweet Nanoparticles And Thin Films” , Taiwan-Corean Joined Symposium On Nanotechnology and Biopolymers, January, 26th, 2013
48-R. Borsali Nov 2014, Mnc2014 International Microprocesses & Nanotechnology Conf, Fukuoka, Japan
47-R. Borsali Nov 2014, Fbpol2014 –Florianopolis, Brazil
46-R. Borsali Oct 2014, Slap2014, Porto Galienas, Brazil
45-R. Borsali Juillet Macro2014, Chiang Mai, Thailand
44-R. Borsali Avril 2014, MRS San Francisco, CA, USA
43-R. Borsali   Bio-Sourced Block Copolymer Self-Assemblies: Ultra High-Resolution Thin Films For Opto- And Bio-Electronic Devices, 2nd Fcc International Symposium, Du 09-10/12/2013, Hokkaido, Japon
42-R. Borsali   Oligosaccharide -Based Block Copolymer Self-Assemblies: Glyconanaparticles And Thin Films For Flexible Electronic Devices   Communication Plénière Internationale, 12º Congresso Brasileiro De Polímeros (CBPOL 2013), 22-26/09/2013, Florianopolis, Brazil
41-R. Borsali Sugar-Based Block Copolymer Self-Assemblies: Ultra High Resolution Thin Films For Opto- And Bio-Electronic Devices, 13th Pacific Polymer Conference, 22/11 2013, Kaohsiung, Taiwan

40-R. Borsali Bio-Based Block Copolymer Thin Films For Opto- And Bio-Electronic Devices, Kaust Polymer Conference From Synthesis To Properties And Applications, 09-13/11 2013, King Abdullah University Of Science and Technology, Kaust, Thuwal, Arabie Saoudite

39-R. Borsali Sugar-Based Block Copolymer Self-Assemblies: Ultra High Resolution Thin Films For Opto- And Bio-Electronic Devices , 3rd Epnoe, 21-24/10 2013, Acropolis Convention Center, Nice, France

38-R. Borsali, "Block Copolymer Self-Assemblies: Sweet Nanoparticles And Thin Films" , Taiwan-Corean Joined Symposium On Nanotechnology And Biopolymers, January, 26th, 2013

37-R. Borsali, Glycopolymer Self-Assemblies: Sweet Nanoparticles And Thin Films Fbpol2011, Florianopolis, Brésil, Avril 25-29, 2011

36-R. Borsali, Glycopolymer Self-Assemblies : Sweet Nanoparticles And Thin Films, Japan-Korea Joint Seminar 2011: Advanced Soft Nanomaterials (Jkjs 2011) Oct. 31st To November 1st, 2011, Sapporo, Japan

35-I. Otsuka, S. Halila, S. Fort, R. Borsali “"Sweet" Nanoparticles & Nano-Structured Glycofilms” Communication Invitée Internationale, “Bioinspired Nanosystems And Nanomaterials” Nanoswec Workshop, 14/11 2011, Iecb University Of Bordeaux, France

34-R. Borsali Block Copolymer Thin Films Communication, Acs Polymer Division, 20-24/08 2010, Boston, Ma, USA

33-R. Borsali Glycopolymer Self-Assemblies: Sweet Nanoparticles And Thin Films Communication Plénière Internationale, Xii Imc And 7th Isnapol, 10/09/2010, Gramado, Brésil

32-R. Borsali, Glycopolymer Self-Assemblies : Sweet Nanoparticles And Thin Films Xii Imc And The 7th ISNAPOL, Gramado, Brésil, Sept. 7-10, 2010

31-R. Borsali, Glycopolymer Self-Assemblies : Biomedical Applications, Kagawa, Japon Fév. 2009

30-R. Borsali, Thin Films Block Copolymer Self−Assemblies, Epnoe Coppenhague, Sept. 2009

29-R. Borsali, Nanoparticles Block Copolymer Self−Assemblies, 10 Cbpol Foz D'iguassu, Oct. 2009

28-Borsali, R. (Conférence Invité) “Dynamics Of Gelatin Solutions And Gels”
Discussion On Polymer Progress Mai, 21-23, 1990 Naurod (Allemagne).

27-Borsali, R. (Conférence Invité) “Scatering Properties Of Cyclic Diblock Copolymer Chains In Solution” 12-15 Juillet République Tchèque IUPAC Prague 1993

26-Borsali, R. (Invited Conference) “Dynamics Of Polymer Mixtures” Workshop: “Journées Des Polymères Et Des Colloïdes” Mars 1992, Ill Grenoble-France

25-Borsali, R. (Invited Conference) “Dynamics Of Cyclic Diblock Copolymer Chains In Solution” Second International Workshop On Disordered Materials Mars 1993 Ill Grenoble-France

24-Borsali, R. (Invited Conference) “Scattering Properties Of Cyclic Diblock Copolymer Chains In Solution” 15-18 Mars 1994, Acs Meeting San Diego, California.

23-Borsali, R. (Invited Conference) “Scattering Properties Of Ternary Polymer Chains In Solution” Polymers Progress In Chemistry And Physics International Symposium 26/27 Mai 1994, Mainz, Germany

22-Borsali, R. (Conférence Invité) “Dynamic Scattering Properties From Ternary Polymer Mixtures In Solutions” 12-15 Aout 1994, Acs Meeting Washington, Dc Honnoring Prof. A.Z. Akcasu

21-Borsali, R. (Conférence Plénière) "On The Dynamics Of Complexe Macromolecules” Internatinal Conference: Nano-Structures And Self-Assemblies In Polymer Systems 18-26 May 1995, St. Petersburg-Moscow

20-Borsali, R. (Plenary Conference) “Polymer Mixtures, Polyelectrolytes, Diblock Copolymers: Structure Et Dynamic: Scattering Techniques” Vii International Macromolecular Conference 29 Septembre 1996- 05 Octobre 1996, Porto Alegre, Brésil

19-Borsali, R. (Invited Conference) “Dynamic Light Scattering From Liquid Crystals Stabilized By Polymer Network” 3rd International Discussion Meeting On Relaxations In Complex Systems 30 Juin - 11 Juillet, 1997 Vigo (Espagne).

18-Borsali, R. (Invited Conference) “Polyelectrolytes/Surfactant: Structure and Dynamic Light And X-Rays Scattering Viii International Macromolecular Conference Canela, Rio Grande Del Sol, Brésil 7-10 Septembre, 1998

17-R. Borsali (Invited Conference) "Small Angle X-Rays Scattering: Polyelectrolyte Systems" Xi International Conference On Small-Angle Scattering Sas99 Brookhaven, Long Island, Upton, New York, 17-20 Mai 1999.

16-R. Borsali (Invited Conference) "Small Angle X-Rays Scattering Under Shear: Suspensions Of Whiskers" The 3rd International Conference On Wood Fiber-Plastic Composites, Madison, Wisconsin, Usa 25-27 May 1999.

15-Borsali, R. (Plenary) “SAXS Of Controlled Architecture Polymers In Solution” IAWS Inter-American Workshop On The Use Of Synchrotron Radiation: Applications To Macromolecules and Biological Systems Campinas, Sp, Brésil December 9-11, 2002

14-Borsali, R. (Plenary) “Polyelectrolytes/Surfactant: Structure And Dynamic Light And X-Rays Scattering "Fourth International Symposium On Natural Polymers And Composites - Isnapol 2002" Hotel Fazenda Fonte Colina Verde, São Pedro, Sp, Brésil September 1-4, 2002

13- R. Borsali (Invited Conference) : Micellar Formation In Cyclic Block Copolymers PAT2003 , Septembre 20-24, Fort Lauderdale, FL, USA

12- R. Borsali (Plenary) Stucture & Dynamic Of Brush-Like Polymers- International Symposium On "Structure And Dynamics In Macromolecular Systems With Specific Interactions" On July 12 - 15, 2004 In Osaka, Japan

11- R. Borsali (Invited Conference) Vesicles Made Of Ps-Pi Cyclic Diblock Copolymers Faraday Discussion 128 « Self-Organising Polymers » University Of Leeds, Uk ,19 - 21 July 2004

10-Borsali, R. (Plenary) “Cyclic Block Copolymer: Structure And Dynamic Light And X-Rays Scattering "Fifth International Symposium On Natural Polymers And Composites – ISNAPOL 2004" São Pedro, Sp, Brésil September 12-15, 2004

9-Borsali, R. (Invited Conference) Polyelectrolytes : From Synthetic To Biopolymers : "Understanding The Self-Organization Of Charged Polymers” Bad Honnef, Allemagne Avril 4-6, 2005

8-Borsali, R. (Invited Conference) “Nano-Organization In Cyclic Block Copolymers » "1st French-Brazilian Meeting On Polymers » Fbpol2005" Florianopolis, Sc, Brésil Avril 24-29, 2005

7-Borsali, R. (Invited Conference) “Cyclic Block Copolymer: Structure and Dynamics "Self-Organised Nano-Structures (SONS) Arcachon, France Mai 11-13, 2005

6-Borsali, R. (Invited Conference) Session : Nanostructured Polymeric Materials "Block Copolymers: Disordered Phase And Self-Organization In Solutions And In Bulk" IUPAC Macro 2006 Rio De Janeiro Rio De Janeiro, Brésil-22 Juillet, 2006

5-Borsali, R. (Invited Conference) Session : Polymer Solutions "Polyelectrolyte Behavior Of Diblock Copolymer Micellar Nanoparticles Evidenced By Light Scattering" "IUPAC Macro 2006 Rio De Janeiro” Rio De Janeiro, Brésil-22 July, 2006

4-Borsali, R. (Invited Conference) “Micelles/Proteines Complex : A Route Towards Drug Delivery "MRS 2006 Meeting” Florianopolis, 8-12 October, 2006

3- Borsali, R. (Plenary) International Symposium On Advanced Macromolecules And Nano−Materials With Precisely Designed Architectures Sapporo, Hokkaido (Japan), 4-7 October 2007

2- Borsali, R. (Conférence Plénière) Iv Simposio Binacional De Polimeros Argentino−Chileno (Archipol07) Vina Del Mar (Chili), Décembre 2007 Block Copolymer Self−Assemblies: Encapsulation Capacity And Protein Decoration For Targeting Ability

1-Borsali, R. (Plenary) “Nano-Organization In Hybrid Block Copolymers » "2nd French-Brazilian Meting On Polymers » FBPOL 2008" Florianopolis, Sc, Brésil Avril 20-25, 2008

Financed Projects

1)-International Laboratory Project –CNRS-UGA-NTU (Taipei- 5 years 2021-2025)- Directors: R. Borsali and W.-C Chen -
2)-Project IDEX – UGA-CNRS-CERMAV Grenoble (R. Borsali) – and NTU Taipei, Taiwan (W.-C. Chen), Topic : memory devices- 2019-2020-
3)-PolyNat Project – Self-healing and thermoreversible rubber made from supramolecular assemblies of carbohydrates (2020-2021)-
4)-ANR « NanoFueCell » 2019-2021 «Nanoparticles made from carbohydrate-based diblock copolymers: a new strategy for FueCell"
5)-Project with Solvay: « Smart surfaces made from carbohydrate-based diblock copolymers"
6)-ANR « SweetSurf » 2017-2020 «Sub_10nm nanostructured thin films made from carbohydrate-based diblock copolymers: a new strategy for long-range order"
7)-Chair of excellence from «nanosciences foundation Grenoble» DISABLOC 2017-2019 (P. Nealey, Univ. Chicago)-
8)-Project Carnot PolyNat : « Design of nanoparticles using biosourced BCP »
9)-Project « Emergence 2015-2018 « BioTriCo » Univ. Grenoble Alpes (O. Ikkala, Finlande et P. Rannou)
10)-« SweetMemory » ANR International France-Taiwan (2015-2018) « Design of memory transistors using biosourced BCP as dielectric layer »
11)-European Project (2014-2017) involving 10 partners: « Greenanofilms » (5.2 M€) "Development and application of ultra-high resolution nano-organized films by self-assembly of plant-based materials for next generation opto- and bio-electronics"
12)-CNRS Project (2016) « Self-assembly of biosourced Block copolymer systems »

MEMBER/EXPERT/REVIEWER

1. Editorial Board member: Nanomaterial, Open Access Journal – MDPI; Materials Research: Iberico-American Material Journal
2. Member of ACS and APS Divisions Polymer Chemistry Polymer Materials Science since 1995
3. ·Member of GFP « Group Français des Polymères" since 2000
4. ·Member appointed CoNRS – Section 11– 2007-2011
5. ·Expert commissions: ANR, AERES, 7 PCRD, FWO (Research Council Flanders), NSF,…
6. ·Reviewer : Sciences, Nanoscale, Advanced Materials, Advanced Functional Materials, JACS, ACS Nano, Phys. Rev. Let., J. Chem. Phys., Macromolecules, Biomacromolecules, Langmuir and agencies NSF (USA), Canadian Research Agency, Brazil (CNPq), CE (7PCRDT)

LEADERSHIP AND RESPONSABILITIES

1. R. Borsali is the Director of PolyNat Carnot Institute since 2011 - Polynat is strongly related to the industries-academia collaboration. It gathers 8 laboratories in Grenoble (400 persons)
2. Self-Assembly of Glycopolymer Group (20 persons) University Grenoble Alpes, CNRS- CERMAV (Grenoble)
3. Co-Director of the "Green Material Institute" under the hospices of CNRS and NTU (Taipei, Taiwan) since 2021

Awards	
2020	1)-SPSJ international award (Society Polymer Sciences, Japan) – 2020
2018	2)-Scientific Grand Prize France Taiwan 2018 – Ceremony Awards Academy of Science, P France, November 20Th, 2018
2017	3)-“Stars of Europe” (“Etoiles de l’Europe”)- Award in Research and Innovation given by Ministry of Education and Research to R. Borsali for the European “Greenanofilms” Proje Ceremony Awards Paris- 4th December 2017
2009	4)-Innovation INPI Award– Ceremony Awards Grenoble 2009 – R. Borsali (Director of CERMAV, CNRS, Grenoble, France)

In THE PRESS

4. CNRS : Press, Paris, May 2012

“Electronique souple : de nouveaux films ultra-minces permettent une miniaturisation et une capacité de stockage augmentées” par R. Borsali (CERMAV) et G. Willson (Univ. Texas, Austin, USA**)- May 2102**

http://www2.cnrs.fr/presse/communique/2607.htm

5. CNRS : From the laboratory Paris, April 2014

“Mémoire flash à base de sucre et polymères: une nouvelle approche pour des performances de haut niveau” by R. Borsali (CERMAV) et W.-C. Chen. (NTU, Taipei, Taiwan) – **May 2014**

http://www.cnrs.fr/inc/communication/direct_labos/borsali.htm

6. CNRS : From the laboratory CNRS Paris, **January 2018**

“Nano-organisation de copolymers biosourcés ultra-rapide obtenu par Micro-ondes: 1 seconde ” by R. Borsali (CERMAV)

Visiting Professor Positions

1) Japan (Hokkaido University, Sapporo) – 3 months (2016)
2) China (Fudan University), (1 Month, 2017)
3) Brazil (Florianopolis, Maringa, Curitiba, Porto Alegre, Rio de Janeiro, Natal)-
2-3 months in several Universties – from 1995 to 2018
4) Mons – Belgium (3 months : 1993)

Masters, PhDs, Post-docs Supervisor

Supervisor of 27 Post-docs
Supervisor or Co-supervisor of 43 Phd students
Supervisor of 24 Masters