

**Personal details:**

**Name** : Dhanjay JHURRY (Prof.)  
**Date of Birth** : 12 October 1964 (52 years)  
**Civil status** : married, two daughters  
**Nationality** : Mauritian  
**Address** : New Academic Complex, University of Mauritius,  
Réduit, Mauritius  
**Contact** : tel.: +230 4037415  
email: [vc@uom.ac.mu](mailto:vc@uom.ac.mu)

**Current Position:**

March 2017: Vice-Chancellor, University of Mauritius, Réduit, Mauritius

**a. Professional Preparation**

1984-88 BSc. and MSc. Chemistry (Bordeaux-1 Univ, France)  
1989 Postgraduate Diploma 'Molecules and Organic Materials' (Bordeaux-1 Univ, France)  
May 1992 PhD Polymer Chemistry (Bordeaux-1 Univ, France)

**b. Appointments**

Jan. 2012 to present : National Research Chair, Mauritius Research Council, Mauritius  
2011-2017 : Head, Centre for Biomedical and Biomaterials Research, University of Mauritius  
2005 to present : Professor of Chemistry, Dept. of Chemistry, Univ. of Mauritius  
1995-2005 : Lecturer, Senior Lecturer, Associate Professor at Dept. of Chemistry, Univ. of Mauritius  
  
June – July 2006 : Visiting Professor, Bordeaux-1 Univ., France  
1992-1994 : R&D Scientist at Flamel Technologies, Lyon, France

**c. Awards**

- First Best Mauritian Scientist Award by the Ministry of Tertiary Education, Science, Research and Technology (May 2011)
- Silver Jubilee: Winner of 1<sup>st</sup> Mauritius Innovators Award, Mauritius, Sept. 2004
- National Research Chair in 'Biomaterials and Drug Delivery' awarded by the Tertiary Education Commission, Mauritius
- Designated 'Mauritian of the Year 2011' by daily newspaper L'Express
- Designated 'Innovator of the decade' by local media, Radio Plus (April 2012)
- Bruce Hartmann Award for a Young Investigator, *International Conference on Advanced Materials, Singapore*, July 2005

**d. Honours**

- Elevated to the rank of 'Commander of the Order of the Star and Key of the Indian Ocean' in the fields of Research and Tertiary Education by the Republic of Mauritius on Independence Day (12 March 2012)
- Decoration by Republic of France as 'Chevalier dans l'ordre des Palmes Académiques' (Oct 2007)
- Selected by the French Ministry of Foreign Affairs to participate in 'Afrique-Avenir' Forum held in Paris (12-13 Feb 2007)
- Nominated Member of the COMESA Innovation Council by COMESA Council of Ministers S&T&I (Nov 2012). Elected Vice-President 2013-2015
- Fellow of the Mauritian Academy of Science and Technology (MAST), May 2013

### **e. Professional Experience in the Tertiary Sector**

21 years' experience in teaching, research and management at the tertiary level. Numerous achievements on all fronts, as testified by various excellence awards and recognition at national and international level.

### **f. Research and Innovation**

Main Interests: My mainstream research is currently at the frontier of materials science/polymer science and emerging fields such as nanotechnology/nanomedicine including biomaterials and nano drug delivery carriers. The objectives are to (i) develop tailor-made biodegradable/bioresorbable polymers for use as medical devices such as implants or cardiac valves, as well as to develop polymer-based scaffolds for tissue engineering applications. (ii) elaborate novel self-assembled polymers for applications as nanodrug carriers targeting cancer and infectious diseases (TB, malaria, etc); development of hydrogels based on self-assembled peptides and polysaccharides for protein delivery. (iii) development of intelligent materials based on bioresources such as sugars and seaweeds.

*Supervision:* (i) PhD (7 completed and 4 on-going); MSc (15 students); BSc (over 200 students since 1995)

**PhDs supervised:** 10

**On-going MPhil/PhD:** 2

### **Articles in peer-reviewed journals: 70**

*List of 6 selected Publications related to Biomaterials & Drug Delivery Research (2014-2016):*

1. A. Bhaw-Luximon and D. Jhurry. *Metformin in Pancreatic Cancer treatment: from clinical trials to basic research*, Journal of Cancer Research and Clinical Oncology DOI 10.1007/s00432-016-2178-4 (2016)
2. A. Bhaw-Luximon and D. Jhurry. *New avenues for improving pancreatic ductal adenocarcinoma (PDAC) treatment: Selective stroma depletion combined with nano drug delivery*, Cancer Letters 369, 266–273 (2015)
3. Nowsheen Goonoo, Roubena Jeetah, Archana Bhaw-Luximon, Dhanjay Jhurry. *Polydioxanone-based bio-materials for tissue engineering and drug/gene delivery applications*, European Journal of Pharmaceutics and Biopharmaceutics 97, 371–391 (2015)
4. Nowsheen Goonoo, Archana Bhaw-Luximon, Isaac A. Rodriguez, Daniel Wesner, Holger Schönherr, Gary L. Bowlin, Dhanjay Jhurry. *Poly(ester-ether)s: III. assessment of cell behavior on nanofibrous scaffolds of PCL, PLLA and PDX blended with amorphous PMeDX..* J. Materials Chemistry B, 3, 673 (2015)
5. R. Jeetah, A. Bhaw-Luximon, D. Jhurry. *Polymeric nanomicelles for sustained delivery of anti-cancer drugs*. Mutation Research 768, 47–59 (2014)
6. Nowsheen Goonoo, Archana Bhaw-Luximon, Reetesh Ujoodha, Anil Jhugroo, Gary K. Hulse, Dhanjay Jhurry. *Naltrexone: A review of existing sustained drug delivery systems and emerging nano-based systems*, Journal of Controlled Release 183, 154–166 (2014)

### **Patent**

D. Jhurry and A. Bhaw-Luximon, Patent No. 2013/00961 (2013) (Rep. of South Africa): *'A method of preparing an amphiphilic graft copolymer'*

### **• Book Editor**

D. Jhurry. Editor of *Macromolecular Symposia Volume 231 (2006): Polymers for Africa* (volume containing 18 articles presented at the 8<sup>th</sup> UNESCO School and IUPAC Conference on Macromolecules), Wiley-VCH Publishers.

### **g. Synergistic Activities**

- (1) Member of the Advisory Board of Polymer International (Wiley-Blackwell) (as from April 2014)
- (2) Founded the Centre for Biomedical and Biomaterials Research at the University of Mauritius in 2011. The Centre was designated Centre of Excellence by the African Network for Drugs and Diagnostics Innovation in Oct. 2011. Heading CBBR since 2011.
- (3) Member of the 'Review Assessment Panel for CSIR', Pretoria (SA) (March 2011)
- (4) Mounted an on-line Biomaterials Course at Masters level (Biomaterials, Drug delivery and Medical devices) jointly with Prof David Kaplan and resource persons from USA and South Africa (offered in Sept 2010).

- (5) Mounted a Postgraduate Course 'Pharmaceutical Technology, Drug delivery and Regulatory Aspects' at Univ. of Mauritius (in collaboration with Prof. Robert Gurny, School of Pharmaceutical Sciences, Univ. of Geneva) (offered in 2010).
- (6) Assisted the Ministry of Industry, Science and Research in drafting a Science, Technology and Innovation policy for Mauritius (April 2010)
- (7) Organized several regional and international conferences and, amongst others: the '8<sup>th</sup> UNECO and IUPAC Conference on Macromolecules: Polymers for Africa', Mauritius, June 2005; the 'Biomaterials: Perspectives and Possibilities' Workshop with the USA in 2009, funded by NSF; the BioPolymer Workshop 'Setting-up of a bio-based industry in Mauritius' with POLIMAT (Slovenia) and Global Biopolymer Network (GBN); the International Conference on Nanomaterials in Sept 2014 and the 'Analyzing the Innovation System - ANIS' Workshop in Sept 2014. International Conference on Advanced Polymers, Biomaterials and Drug Delivery jointly with the Asian Polymer Association in Sept 2016
- (8) Established several research links with many foreign Universities and Institutions in the South (University of Reunion, CYROI, Wits Faculty of Health Sciences, Stellenbosch) and the North (Tufts, MIT, Virginia Commonwealth Univ., Memphis Univ. Bordeaux Univ, Pierre et Marie Curie University, Univ. of Geneva and Geneva University Hospital, Siegen Univ.) and in India (IIT, Delhi)
- (9) Wrote several articles on innovation in international magazines and local newspapers
- (10) Acting Dean Faculty of science (University of Mauritius) on several occasions (Sept 2009-July 2010)
- (11) Head of Dept. of Chemistry, University of Mauritius (Feb 2003-2006)
- (12) Chairman Senate Examinations Committee of the University of Mauritius (Feb 2007 to 2011)
- (13) Member of IUPAC Polymer Education Committee (2006 to date)

***At National level***

- (14) Founder and President, Chemical Society of Mauritius (2004 to 2013).
- (15) Chairman of the Mauritius Accreditation Advisory Council (MAURITAS), 2006-2011
- (16) Chairman of R&D Committee, Mauritius Cane Industry Authority, 2012-2014
- (17) Vice-Chairman, COMESA Innovation Council (2012-2014)

**h. Network**

African Network for Drugs and Diagnostics Innovation (ANDI)  
 Common Market for Eastern and Southern Africa (COMESA)  
 Global Development Learning Network (GDLN)  
 WIPO and WIPO:ReSearch  
 BioVentures for Global Health (BVGH)  
 World Bank Knowledge Hubs CoP