

Curriculum vitae

Amin SHAVANDI



PERSONAL INFORMATION

Researcher unique identifier: ORCID: 0000-0002-0188-3090, Research ID: I-3028-2019

Date of Birth: 5th April 1987

• **PROFILE**

Innovative, dynamic, responsible and fast learning assistant professor in the field of biomaterials and tissue engineering at Université libre de Bruxelles (ULB). Experienced in working independently in addition to be an enthusiastic team member. Excellent communication and leadership skills combined with outstanding aptitudes for experimental research. With research and teaching experience in different countries including New Zealand, Australia, Malaysia, Japan and Iran and in different fields related to Materials Science, Biopolymer, and valorisation of biomass. Involved in several international R&D activities, projects and environments, my goal is to become a leading biomaterial scientist.

• **EDUCATION**

- 2016 *PhD in Food Science/Medicine*
Faculty of Science, University of Otago, New Zealand
- 2012 *MSc in Chemical Engineering*
Faculty of Engineering/ Department of Chemical and Environmental Engineering,
University Putra Malaysia, Malaysia
- 2009 *BSc in Food Engineering*
Department of Food Science, University of Ramin, Iran

• **CURRENT POSITION**

- 2018 – present *Assistant Professor*
BioMatter Unit, Biomass Transformation Lab, Brussels Interfaculty of Bioengineering,
Université Libre de Bruxelles, Belgium.

• **PREVIOUS POSITIONS**

- 2017 – 2018 *Senior post-doc*, The Centre for Materials Science and Technology, University of Otago, New Zealand / Deakin University, Australia,
- 2016 – 2017 *Research Fellow*, The Centre for Materials Science and Technology, University of Otago, New Zealand,
- 2015 – 2016 *Research Technician*, Otago Medical School, Department of Anatomy, University of Otago, New Zealand,
- 2013 – 2016 *PhD student*, Department of Food Science, University of Otago, New Zealand.

• **FELLOWSHIPS, AWARDS and other distinction**

- 2019 **Invited lecturer**, Bio-based materials research group, Kyoto Institute of Technology, Japan
- 2019 **Visiting faculty**, Department of Food Science, University of Otago, Dunedin, New Zealand
- 2016 – 2018 *Prestigious Wool Industry Research Limited fellowship*, The Centre for Materials Science and Technology, University of Otago, New Zealand and Deakin University, Australia,
- 2013 – 2016 *University of Otago Doctoral Scholarship*, Department of Food Science, University of Otago, New Zealand,

- 2010 – 2012 *Malaysia Ministry of Higher Education Scholarship*, Department of Chemical and Environmental Engineering, University Putra Malaysia, Malaysia.
- 2016 One of five students from New Zealand selected to attend Falling Walls Lab Australia in Canberra.
- 2016 Finalist in AMP (Australian Mutual Provident Society) Ignite Ph.D. evening
- 2016 Brooker Travel Award Scholarship to attend 10th World Biomaterial Congress, May, Montreal, Canada
- 2015 Young Microscopist Scholarship to attend the 2015 Microscopy Conference, February 2015, New Zealand
- 2015 1st prize, poster presentation at NZIFST - The New Zealand Institute of Food Science and Technology, July 2015 Palmerston North.
- 2015 1st prize for the postgraduate poster competition at the University of Otago
- 2014 1st prize for Ph.D. oral presentation at NZIFST - The New Zealand Institute of Food Science and Technology, July 2014 Christchurch

• SUMMARY OF SCIENTIFIC OUTPUT

- 60** Journal articles in peer-reviewed journals (27> as the first and corresponding author)
- 5** Book Chapter
- 1218** Citation
- 21** H-Index (Google Scholar)
- 32** i10-index (Google Scholar)
- 25** Conference contributions
- 1** Patent

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2021 Dr. Oseweuba Valentine Okoro, WBI excellence postdoc, (Expected completion 2020)
- 2020 Dr. Masoud Hamidi, Marie-Curie@ULB COFUND postdoc (Expected completion 2022)
- 2020 Dr. Erika Zago, Marie-Curie@ULB COFUND Postdoc, (Expected completion 2022)
- 2020 Dr. Mahta Mirzai, Marie-Curie@ULB COFUND Postdoc, (Expected completion 2022)
- 2020 Alberto Lista and Manuela Siekapen, MSc 1 project, serving as supervisor (completed)
- 2019 Hafez Jafari, PhD, serving as major supervisor (Expected completion date 2022)
- 2019 Silvia Magri, PhD, serving as co-supervisor (Expected completion date 2022)
- 2019 Cecile Brigode, Internship (Completed)
- 2019 Valentine Escoda, MSc, serving as major supervisor (Expected completion date 2020)
- 2019 Swan Lenglet, MSc, serving as co-supervisor (Expected completion date 2020)
- 2019 Floriane Dewart and David Mstres, MSc 1 project, serving as supervisor (completed)
- 2017 Hongxia Zhang, PhD, serving as advisor (completed 2018)
- 2017 Christina Deng, MSc, serving as advisor (completed 2018)
- 2017 Rossana Boni, MSc, serving as advisor (completed 2019)
- 2016 Victoria Wilton, Honours, serving as advisor (completed 2017)
- 2016 Abbey Sims, Honours, serving as advisor (completed 2017)

• TEACHING ACTIVITIES

- 2018 – present Course coordinator, “*Biotechnology*” (5ECTS) to second-year Master students from Bruface program in Engineering, Université Libre de Bruxelles, Belgium,
- Course coordinator, “*Fundamental of Biomaterials*” (5ECTS) to second-year Master students of Bioengineering in chemistry and bio industries, Université Libre de Bruxelles, Belgium,
- Cotutor, “*Bioresources and Biomaterials*” (5 ECTS) to second-year Master students of Bioengineering in chemistry and bio industries, Université Libre de Bruxelles, Belgium.
- 2015 – 2018 Lecturing “Food and Consumers”, “Food Chemistry”, “Structure and Function”, “Food Product Development” to third-year Bachelor students, University of Otago, New Zealand.

2010 – 2012 Tutor for the “Environmental pollution” course and lab assistant for various undergraduate teaching labs and mentor of first-year undergraduate students, University Putra Malaysia, Malaysia

• INSTITUTIONAL RESPONSIBILITIES

2015 – 2017 Ph.D. Sciences Rep for the Graduate Research Student Liaison Committee
2016 Member of the selection committee for nomination of the supervisor of the year awards
2016 Representative of the division of science, University of Otago, New Zealand

• EDITORIAL REVIEW BOARD/CONFERENCE CHAIR RESPONSIBILITIES

2019 Session chair, 5th international symposium on Advances in Sustainable Polymers (ASP-19), Kyoto institute of Technology, 14-18 October 2019, Kyoto, Japan.
Reviewer board member of Pharmaceutics
2019 Guest editor for the *Journal of Marine Science and Engineering*
2017- Present Editorial board of Nanoscience & Nanotechnology journal
Associate editorial board member of The Open Chemical Engineering Journal
2018 Awarded Top Reviewer for Multidisciplinary- Publons
2015 – present Verified manuscript reviews (n=214) for Journals such as Materials Science and Engineering: C, RSC Advances, ACS Biomaterials, etc.

• MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2018- Present European Society of Biomaterials (ESB)
2017-present Royal Society of New Zealand
2017- present New Zealand Controlled Release Society (NZCRS)
2015-2017 Australasian Society for Biomaterials & Tissue Engineering (ASBTE)

• GRADUATE STUDENT COMMITTEE RESPONSIBILITIES

2020 Alvine Ngongang, MS, Chemical engineering, ULB, Serving as thesis reviewer
2020 Golsen Nazerian, MS, chemical engineering, VUB, Serving as thesis reviewer
2020 Florence Deceref, MS, chemical engineering, ULB, Serving as thesis reviewer
2020 Siinemobong Essien, PhD, Chemical Engineering, University of Auckland, NZ, Serving as thesis reviewer
2019 Anthony Boitsios, MS chemical engineering, Serving as thesis reviewer
2019 Olivier Vanoudenhove, MS Bioengineering, Serving as thesis reviewer

• MAJOR COLLABORATIONS AND MOBILITY

Since 2012, I have authored and co-authored papers with more than 65 researchers worldwide, performed research and lived in five different countries.

• REFERRED PUBLICATIONS

Patent

1. Method of making wool keratin thermoplastic, Patent filed. Application no. IDF00117 (dated: March 24, 2017).