

CURRICULUM VITAE – PROFESSOR MADHU BHASKARAN FTSE

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Current Position Professor
Co-Leader, Functional Materials and Microsystems Research Group
Deputy Director (Research), ARC Hub for Connected Sensors for Health
Node Director and Chief Investigator, ARC Centre of Excellence for
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Co-Chair, Women in STEMM Australia

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Fellowships, Scholarships, and Awards [Selected]

2022 Fellow of Australian Academy of Technological Sciences and Engineering
2021 Knowledge Commercialisation Award for Best Industry Collaboration
2020 40 under 40 Most Influential Asian-Australian Award
2020 Frederick White Medal awarded by Australian Academy of Science
2018 APEC Aspire Prize Winner
2018 Batterham Medal awarded by Australian Academy of Technological Sciences
and Engineering
2017 Australian Museum Eureka Prize for Outstanding Early Career Researcher
2017 Most Innovative Engineers 2017 by Engineers Australia
2016 RMIT Research Excellence – Team Award
2016-2018 Discovery Early Career Researcher Award from the Australian Research Council
2016 MIT Technology Review Top 10 Technology Innovators under 35 in Asia
2015 Victoria Fellowship
2014 Phillip Law Post-Doctoral Award for Physical Sciences, Royal Society of Victoria
2013-2014 Malcolm Moore Industry Research Award
2011 Vice-Chancellor’s Award for Emerging Researcher
2011 RMIT Research Media Star Award
2011 Ian Potter Foundation Travel Grant
2011 The CASS Foundation Early-Career Researcher Travel Grant
2010-2013 Australian Post-Doctoral Fellowship from the Australian Research Council

Research Publications and Presentations

Publication and Presentation Summary

Peer-Reviewed Publications		Presentations	
Edited book	1	Plenary/Keynote/Invited presentations	50(+2)
Book chapters	6	Oral presentations	13
Journal articles	142	Poster presentations	22
Conference proceedings	37		
Editorials and preprints	3		
Total	189	Total	85(+2)

Total citations: 9,730; *h*-index: 51

Intellectual Property

- G. Perera, **M. Bhaskaran**, S. Sriram, S. Walia, S. Fox, A. Fellows, “Conductometric sensor for detecting a nucleic acid and a method for the detection thereof” Australian Provisional Patent 2021901896 [Priority Date: June 23, 2021].
- G. Perera, **M. Bhaskaran**, S. Sriram, “Conductometric sensor for detecting a bioanalyte and a method for the detection thereof” Australian Provisional Patent 2021901897 [Priority Date: June 23, 2021].
- M. A. Rahman, **M. Bhaskaran**, S. Sriram, S. Walia, “Device, method and system for detecting nicotine,” Australian Provisional Patent 2021903631 [Priority Date: November 11, 2021].
- C. van den Dungen, M. Bhaskaran, S. Sriram, S. Walia, D. Dong, B. Mantzis, and H. Lee, “Device, system and manufacturing method for electronic sensor,” PCT/AU2021/051257 [Priority Date: October 29, 2020].
- M. A. Rahman, S. Walia, **M. Bhaskaran**, and S. Sriram, “Artificial somatosensors (Sensors),” Australian Provisional Patent 2020903048 [Priority Date: August 26, 2020].
- S. Sriram, **M. Bhaskaran**, T. Ahmed, S. Walia, M. Doering, and G. Perera, “Sensor for detecting a bioanalyte and a method for the detection thereof,” Australian Provisional Patent 2019904865 [Priority Date: December 20, 2019].
- T. Ahmed, S. Walia, S. Sriram, and **M. Bhaskaran**, “Sensor and method for discriminating between wavelength regions using the sensor” Australian Patent Application 2018902291 (Filed: June 26, 2018).
- M. Taha, S. Walia, S. Sriram, and **M. Bhaskaran**, “Vanadium oxide films and methods of fabricating the same,” Australian Patent Application 2017210601; US Patent Application 15/668,823 (Filed: August 04, 2017).
- T. Ahmed, S. Walia, **M. Bhaskaran**, and S. Sriram, “Multifunctional and multi-bit resistive storage memories,” Australian Provisional Patent 2016902654 (Filed: July 06, 2016).
- P. Gutruf, S. Sriram, and **M. Bhaskaran**, “A flexible or stretchable sensor for use in detecting a substance and/or electromagnetic radiation and a method for detection thereof,” Australian Patent Application 2016203718 (Filed: June 03, 2016); US Patent Application 15/173,272 (Granted)
- H. Nili, S. Walia, **M. Bhaskaran**, and S. Sriram, “A memristor device and a method of fabrication thereof,” Australian Provisional Patent 2015904857 (Filed: November 25, 2015; PCT Filed: November 25, 2016).