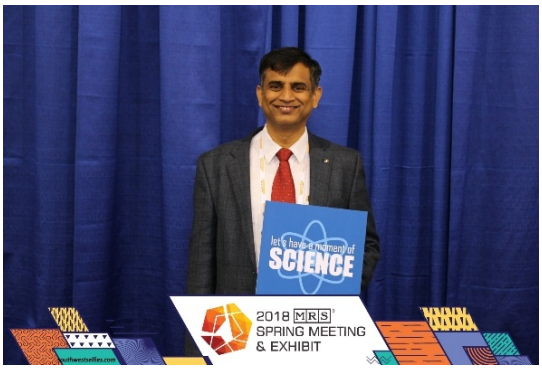

Brief CV of Dr. M V Reddy

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https://www.hydroquebec.com/ce-electrification-transports-stockage-energie/

Dr. M.V. Reddy obtained his Ph. D (2003) with the highest honours in the area of Materials Science from University of Bordeaux, ICMCB-CNRS/ENSCPB, France. He is currently working as a Senior Researcher (level 3) (equivalent to the professor at local universities) at the Institute of Research Hydro-Québec, Centre of Excellence in Transportation Electrification and Energy Storage, Hydro-Québec, Canada. He is currently ranked the No. 1 highly cited researcher in Hydro Quebec (source: Scopus).

From July 2003 to May 2019, he worked as a Research Fellow (A/B) and a Senior Research fellow at the Department of Materials Science and Engineering, Chemistry and Physics, National University of Singapore (NUS). Over the past 20 years, he has conducted leading research on Materials for Energy Storage (cathodes, anodes, supercapacitors and solid electrolytes), solar cells, electrocatalysis and photocatalysis, including novel methods of synthesis ex: molten salt method (his most cited paper at Scopus) and the evaluation of functional properties of materials.

Dr. Reddy has published around 200 papers in various international journals. He has **obtained an h-index of 64 with over 150150 citations. These have recently placed him within the top 2% highly cited researchers in the area of Energy (Ranking the 1002nd out of 186,500 researchers in 2020).**

Dr. Reddy is serving as an editorial advisory board member in **Materials Research Bulletin and Journal of Energy Storage (Elsevier) as well as several open access Journals (Materials, Energies and Molecules, MDPI) and the Regional editor: Nanoscience & Nanotechnology-ASIA**.

Dr Reddy has conducted several workshops related to functional materials and energy storage & conversion and delivered 12 Plenary, 12 Keynote, 62 Invited and 18 Contributory talks) at various conferences and conducted a number of workshops on battery materials' fundamentals, synthesis and characterization techniques. He was invited to speak at various Universities in India, Malaysia, Indonesia, Europe, USA, South Africa, Iran, Iraq, Morocco and Africa. He also delivered Materials Science and Engineering outreach talks to college and high school students all over the world. He trained many (>120) high school/college and International exchange B.Tech., M. S and Ph.D. students and personally mentored 7 students for electrochemistry and Materials Science.

His research won many awards in national and international conferences. He won an Outstanding Science Mentorship Award (2010- 2018), from Ministry of Education, Singapore, and an Inspiring Research Mentor Award (2011 to 2019) from NUSHS. His projects won awards in Singapore Science and Engineering Fair (SSEF) (Awards: Gold: 10; Silver: 8; Bronze: 6; Merit:10). Recently he received a prestgious 2021 Battery Materials electrochemistry award from the Electrochemical Society of India, Indian Institute of Science (IISc), Bangalore, India (7th Prof.S.M. Mayanna Memorial Lecture).

Based on his long term university experience and Service to Battery community & Materials Science and Outreach service in Singapore, Dr Reddy has been invited as a Honarary (Hydro Quebce-MC Gill univ) Adjunct Professor at the Department of Mining and Materials Engineering, McGill University.

Dr. Reddy is an Invited life member in the International Centre for Diffraction Data (ICDD), USA, and he was awarded a free life membership award in 2010. He won an Excellent safety lead (2015) and a Long service award (2014) at National University of Singapore. He is an Elected committee Member in Institute of Physics, Singapore (2015 – March 2018), Materials Research Society (MRS) Singapore (two times, 2016 to 2020), he served as an Honorary auditor IPSS and MRS Singapore, Global Materials Network (2012- till now) and a Member in MRS-USA and International Electrochemical society (ISE). He served as a theme chair for Energy and Environment (2012) and a session chair for Batteries, supercapacitors & Fuel cells (2012, 2014, and 2016) and materials for Environmental protection (2012) in the International Conference of Young Researchers on Advanced Materials (ICYRAM-IUMRS). He was a local organizing committee member at 2018 Advanced Materials Conference in Singapore.