

Profile

Prof. B.V.R. CHOWDARI

Honours

- Doctor of Literature (Honoris Causa), Mangalore University, India (2015)
- Professor under the Chinese Academy of Sciences President's International Fellowship Initiative for Visiting Scientists in 2015
- The Institute of Physics Singapore - the Cadi Scientific Medal and Prize for Outstanding Contributions to Physics Education and Creating Physics Awareness in Singapore (2015)
- Honorary Advisor, Government of Andhra Pradesh, India (2014 -)
- Visiting Professor, Shanghai Institute of Ceramics - Chinese Academy of Sciences, China (2014-)
- Member of the International Council for Sciences (ICSU) Regional Committee for Asia and the Pacific (2012 -)
- President of the International Union for Materials Research Societies (IUMRS) (2011-2012)
- President of Materials Research Society of Singapore (2000 -)
- Vice- President & Academician of the Asia Pacific Academy of Materials (2013 -)
- President of the Asian Society for Solid State Ionics (2000 - 2012)
- Officer in the Order of Academic Palms awarded by French Government (2006)
- Business Event Ambassador; award given by the Singapore Tourism Board(2009).
- Chairman of the Association Conference of the Year award given by Singapore Tourism Board (ICMAT 2009)
- Visiting Professor at University of Zurich, Switzerland (1993)
- Visiting Associate Professor at University of Pennsylvania, USA (1991)
- Japan Society for Promotion of Sciences Fellow at the Nagoya University, Japan(1969-70)
- Alexander von Humboldt Foundation Fellow at University of Stuttgart, Germany(1975-77).
- Chairman, International Conference on Materials for Advanced Technologies (ICMAT) series (2001 -)
- Chairman, Host Committee, 5th World Telugu Federation Conference, December 2002, Singapore
- Chairman, Asian Physics Olympiad 2014. Singapore
- Vice-President, World Telugu Federation (2000-2002)
- President, Singapore Telugu Samajam (2006-2008)
- Adviser, Global Organization for the People of Indian Origin (GOPIO), Singapore (2004 -)

Contributions towards research, teaching and service are as follows:

- **Published** > **273** research papers in well reputed international materials research, physics and chemistry journals on portable energy related aspects
- **Edited** 18 books
- **Trained** 21 Ph.D/M.Sc students for higher degree
- **Taught** various Physics and Materials Science courses at levels 1000 to 4000
- **Worked** as Visiting Professor at University of Zurich, and Visiting Associate Professor at the University of Pennsylvania.
- **Participated** in various Departmental administrative responsibilities including level coordinator, laboratory coordinator, filing for graduation, graduate student seminars, etc.
- **Serving on the Editorial Board** of the following journals - Solid State Ionics, Journal of Solid State Electrochemistry, Journal of Materials Education, and Materials Research Foundations
- **Organized the following outreach activities** for the Physics Department - Annual Physics Enrichment Camp, Workshops for teachers, and Public Lectures by eminent scientists and Asian Physics Olympiad 2014.
- **Organized the following National and International Conferences** in Singapore for the benefit of scientists of the region and worldwide - 1st Asian Conference on the Solid State Ionics, 1988; 10th International Conference on Solid State Ionics, 1995; 13th International Battery Association Meeting, 1997; International Conference on Materials for Advanced Technologies, (2001-); MRS-S National Conference on Advanced Materials, (2004-); 4th Asian Conference on Nanoscience and Nanotechnology 2008, IUMRS - international Conference of Young Researchers on Advanced Materials (ICYRAM) 2012.
- **Founded** the Asian Society for Solid State Ionics in Singapore in 1986. Served this Society in various capacities until 2012. Edited the proceedings of each of the 14 conferences and made copies available to all conference delegates during the conference itself.
- **Serving** the Materials Research Society of Singapore (MRS-S) as it's President for the last 16 years and organized the first 8 "International Conference on Materials for Advanced Technologies".
- **Organized** Public Lectures by Nobel Laureates in conjunction with **ICMAT**.
- **Planning** for IUMRS - International Conference for Electronic Materials (ICEM) 2016, 4 - 8 July, 2016.
- **Planning** for ICMAT2017, June/July 2017.

Academic/Professional Qualifications:

B.Sc.	Andhra University, Waltair, India (1961)
M.Sc.	M. S. University of Baroda, Baroda, India (1964)
Ph.D.	Indian Institute of Technology, Kanpur, India (1968)
D. Lit	Mangalore University, India(2015)

Professional Experience:

1971-1981	Lecturer/Assistant Professor at Indian Institute of Technology, Madras, India
1981 - 1986	Senior Lecturer, National University of Singapore
1987 - 2006	Associate Professor, National University of Singapore
2007 - till now	Professor, National University Singapore

Present Research Focus:

Materials Science with special relevance to the experimental investigations on Electrode and Electrolyte Materials for Lithium Polymer Batteries (Micro-power sources)

**Ph.D, Indian Institute of Technology,
Kanpur, India & Doctor of Literature
(Honoris Causa), Mangalore
University, India**

**Professor of Physics & Executive
Director, NUS - India Research
Initiatives, National University**

Singapore

Chowdari

Executive Director, NUS - India Research Initiatives,
Office of Deputy President (Research & Technology)
Physics Department, National University of Singapore
Block S12, 2 Science Drive 2
Singapore 117542
Tel: 65-6516-2956; Fax: 65-6777-6126
Email: phychowd@nus.edu.sg