

## **Brief CV**

**Prof. Dr. Krishnan BASKAR**

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**Prof. Dr. Krishnan BASKAR** was a former Vice-Chancellor of Manonmaniam Sundaranar University, Government of Tamilnadu, during 16<sup>th</sup> February 2016 – 15<sup>th</sup> February 2019, for a period of three years on deputation from Anna University, Chennai. He was appointed as a Search committee member by the Governor of Jammu and Kashmir and Chancellor of Shri Mata Vaishno Devi University (SMVDU), Jammu for the selection of Vice-Chancellor in July 2019. He served as a Chairman of National Assessment and Accreditation Council (**NAAC**) Peer committee that assesses and recommends to NAAC to accredit higher education Institutions (HEIs) in India. He was formerly the Director of Centre for International Affairs, Anna University during 2008-2012 and the Director, Crystal Growth Centre (UGC-National facility) during 2012-2016. He is currently the Director, Centre for Technology Development and Transfer (CTDT), Anna University, Chennai since 14<sup>th</sup> March 2019 and Professor at Crystal Growth Centre-UGC: National Facility, Anna University, Chennai.

He has over 33 years of teaching and research experience in government funded educational institutions. He was a **postdoctoral fellow** for four years at Nagoya Institute of Technology and Electrotechnical Laboratory, Tsukuba, **Japan**, during 1995-1999 with Monbusho Fellowship (two years) through Government of India and Science and Technology Agency Fellowship (two years) of Japanese Government. He worked three years as a **Visiting Professor** at Royal Institute of Technology, Stockholm, **Sweden**, during 2001-2004.

He was responsible for the creation of the International Division with autonomous status and the introduction of Japanese language at Anna University. He served as a Coordinator of Japan programs.

His research areas of interest are; compound semiconductors, particularly nitride based materials for high electron mobility transistors, UV (260-360nm) and visible light emitting diodes, semiconductor Nanostructures, sensors and solar cells (21.4% efficiency @ AM0), MOCVD growth, high resolution XRD, Photoluminescence and fabrication of optoelectronic semiconductor devices.

He has conducted research by generating research grant to the tune of about Rs.11.00 crores through competitive funded projects and has established the sophisticated class 10000 clean room, MOCVD; first of its kind in a University system in India, HRXRD and PL with Raman facilities at Crystal Growth Centre. He has taken efforts to establish sophisticated equipment like SEM with EDX, XRD, FT-IR imaging through UGC grants and have made them available to the researchers all over the country. He has published 165 research papers in peer reviewed international journals and conference proceedings, filed a patent and contributed as a co-author for 2 scientific books. He has guided 20 Ph.D. Full time scholars with Fellowship as full supervisor.

He has organized 30 national / international conferences / workshops. He is a member of several scientific societies. He has signed 64 MoUs with various institutions all over the world and the over 350 students from Anna University got the opportunity to do semester abroad with a monthly scholarship of 1000 euro apart from free travel and insurance and tuition fee exemption. He was one of Coordinators for Erasmus Mundus bilateral projects of European Commission, European Union, with Italy, Sweden, France and Belgium for a total grant of about 12 million Euros. He has travelled more than 27 countries (Japan, Sweden, Malaysia, Singapore, Germany, Finland, France, Switzerland, Italy, Norway, UK, USA, Canada, Australia, Belgium & So on) and visited more than 100 top ranking educational institutions in the world including long years of stay in abroad for research.

The Royal Institute of Technology (KTH) in Stockholm, Sweden, awarded him the title of "Docent" for his research accomplishments in semiconductor materials technology in 2001. He is a recipient of the Active Researcher award (Cash Prize Rs.25,000 and citation) in 2011 from Anna University, Chennai, INDIA. Youngsters attractive research paper award (1,40,000 Yen) from Japan in 1989 as a Ph.D. Student. He has received much recognition from India and abroad for his accomplishments in research. He is a member of many committees in DRDO, UGC, DST, IITs and Universities.

He hails from an Agricultural family at Kottaikuppam Village, Thiruvallur District, Tamilnadu, India. He obtained his Master Degree in Physics from Madras University and got his Ph.D. from Anna University. He joined in Anna University, Chennai as a full time faculty in 1991.

He has proficiency in Tamil, English, Japanese and Telugu languages.