

CURRICULUM VITAE – Mini



Dr. SM. RAMASAMY

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PROFILE [Nearly 40 Years]

	1970	1980	1990	2000	2006
Geological Asst.		(1971 - 74)	Ground Water, PWD, Govt. of Tamil Nadu		
Geologist		(1974 - 86)	Geological Survey of India, Rajasthan		
Scientist	IRS, Anna University		(1986 - 89)		
Professor & Head	School of Earth Sciences, BARD		(1989 - 2001)		
Director	Centre for Remote Sensing, BARD (1993-Nov. 2007)		(1993 - 2007)		
Director *	Centre for Excellence in Remote Sensing, BARD (November 2007 - 2009)		(2007 - 2009)		
Co-ordinator	School of Geosciences		(2004 - 2009)		
Dean	College Development Council, BARD		(1998 - 2000)		
Director	Curriculum Development Council, BARD		(1998 - 2000)		
Convenor	Informatics Centre, BARD		(1999 - 2001)		
Senate Member	Bharathidasan University (1989 - 2009)		(1989 - 2009)		
Syndicate Member	Bharathidasan University (2000-2003)		(2000 - 2003)		
Vice-Chancellor	Gandhigram Rural Institute – Deemed University, Gandhigram		From April 2009		

BARD: Bharathidasan University

** The Centre has been upgraded as Centre of Excellence in Remote Sensing*

SPECIALISATIONS

Remote Sensing and GIS based modeling and visualization of Palaeo -Time transgressive - Active Geological Systems and Processes for

- ⇒ Mineral, Hydrocarbon and Water Resources exploration
- ⇒ Earth Ecosystem modeling
- ⇒ Natural Disaster mapping, mitigation and management and
- ⇒ Spatial Decision Support Systems for sustainable development

ACTIVITIES / ACHIEVEMENTS

- ❖ Engaged in advanced "Academic, Research and Extension programmes in the field of Remote Sensing and GIS in the Frontier areas of Earth Sciences.
- ❖ As Founder Professor / Director, School of Earth Sciences & Centre for Excellence in Remote Sensing, conceived unique M.Sc. Course in Geoinformatics under UGC innovative programme and M. Tech. Course in Geological Remote Sensing and Geoinformatics with National / International attraction.
- ❖ Established the Centre of Excellence in Remote Sensing exclusively through funded projects.
- ❖ Guided over 18 Ph.D. and 40 M. Tech. in Geological Remote Sensing & GIS so far

- ❖ Conceived and executed over 25 major funded research projects in the above areas of specialization, budgeting to the tune of 11 crores, sponsored by various National and International agencies and brought out packages of newer information in the field of Earth resources, Geological / Geomorphological processes, Geological Eco-systems, Natural disasters etc., for Indian Peninsular in general and South India in particular.

RESEARCH PUBLICATIONS

- 11 Books and Edited Volumes
- 127 Scientific Papers in Referred Journals and edited volumes
- 89 Papers in Conference volumes.
- Over 100 Popular Articles and press coverages.

EXTENSION ACADEMIA

- ⇒ Conducted over 50 Conferences / Seminars / Refresher Courses / Workshops benefiting over 700 academicians / students / researchers / field level scientists / technocrats / NGOs / Administrators.

AWARDS

- Received the "**First Indian Remote Sensing Award**" in 1992 from Indian Society of Remote Sensing, ISRO, Dehradun.
- Received the "**TANSA**" (Tamil Nadu Scientist's Award) in 1997 from Govt. of Tamilnadu, Chennai.
- Received the "**BHARAT JYOTHI Award**" in 2003 from Indian – International Friendship Society, Delhi.
- Received the "**CLUMA Award**" for the outstanding contribution in Remote Sensing and GIS for Earth Sciences in 2005 from Consortium of Landuse Managers, Hyderabad.
- "**National Geomatics Award-2010**" for Innovative Applications of Space and Spatial Technology for Earth Sciences by Indian Society of Geomatics, ISRO, Ahmadabad.

"ASSIGNMENTS OF ACADEMIC HONOUR:

International

- ⊕ **Member**, Editorial Board, International Journal of Geoinformatics, Bangkok, Thailand.
- ⊕ **Member, Editorial Board**, International Journal of Earth Sciences and Engineering
- ⊕ **Member**, Editorial Board, International Journal of Disaster Advances
- ⊕ **Honorary Editor, American Bibliographical Society**
- ⊕ **Peer Reviewer**, International Journals of Remote Sensing, Hydrogeology and Geoinformatics.
- ⊕ **Consultant, Govt. of Iran** on Geological Remote Sensing projects. (1994)
- ⊕ **Consultant / Advisor, Global Scan Technology, UAE, Dubai.**
- ⊕ **Indian Counterpart**, Active Tectonics and Environment Visualisation project with **Melbourne Univ, Australia**
- ⊕ **Convener**, Environmental Geomorphology Working Group, **South Asian Geological Congress (GEOSAS)**
- ⊕ **Resource Person**, Remote Sensing courses, University Technology, **Malaysia (1988)**
- ⊕ **Working Group Member**, in a number of International Geological Correlation programmes (IGCP).
- ⊕ **Elected Member, New York Academy of Sciences**
- ⊕ Referred in Marqui's **Who is Who (outstanding scientists of the world)** in 1996, 1997, 2004, 2005, 2006 & 2007.
- ⊕ **Chairperson**, Technical sessions in more than **15 International Conferences.**

National

- ➔ **Member**, Editorial board, Indian Journal of Geomatics, Ahmedabad
- ➔ **Member**, Editorial Advisory Board, Gondwana Geological Magazine, Nagpur
- ➔ **Peer Reviewer, Scientific papers in Journals** of Geological Society of India, Jour.indian society of remote sensing, Current Science, etc.
- ➔ **Member**, Water Resources Sub Group for drafting **VIII & IX Plan** proposal for Govt. of Tamil Nadu
- ➔ **Advisory Board Member, M.S. Swaminathan Research Foundation** in Coastal Zone Projects (1996 – 1998).
- ➔ **PAC Member**, Remote Sensing, World Bank aided Water Resources Consolidation Project, Chennai (1995 – 1998).

- **Executive Committee Member** for the **Centre for Geoscience and Engineering**, Anna University, Chennai (1995 - 2000).
- **Council Member, Tamil Nadu State Council for Science and Technology**, Government of Tamil Nadu, Chennai (2003-2006).
- **Executive Committee Member, Tamil Nadu State Council for Science and Technology**, Government of Tamil Nadu, Chennai (2003-2006).
- **Chairman**, Board of Studies in Remote Sensing, Bharathidasan University, Tiruchirappalli. (1989 - 2009).
- **Member, National Expert Committee on Mining Environment**, Ministry of Environment and Forest, **New Delhi (2000 – 2002)**.
- **Expert Committee Member** in DST (NRDMS), New Delhi, (2001 - 2003)
- **Expert Member** in Gulf of Mannar Bio Reserve (GEF) Project of Government of Tamil Nadu. (2002 – 2007)
- **Expert Panel Member in GIS**, Government of Tamilnadu (Since 1995).
- **Member, Standing Committee on Irrigation & Water Resources**, Government of Tamil Nadu (1990-93).
- **Syndicate Member**, Bharathidasan University (2000 - 2003)
- **College Committee Member, Governing Body Member** of more than 15 colleges / Institutions in Tamil Nadu.
- **Task Force Member, TN GIS, Govt of Tamil Nadu**
- **Working group member**, XI th plan proposal on Higher Education in State Planning Commission
- **Member, Steering Committee**, National Resources Data Management System (NRDMS), Govt. of India, New Delhi, DST, New Delhi (2010 – 2012)
- **Member, Expert Committee on Geohazards**, DST, New Delhi (2010 – 2013)
- **Chairman**, DST Special Committee on Utterkhand Flood Assessment (2011)
- **Chairman**, Committee on Geosciences and Society of DST, New Delhi (2011 – 2012)
- **Member**, Research Board of Advisor, Periyar Maniammai University, Thanjavur, Tamil Nadu (2009 onwards)
- **Member**, Research Board of Advisors, B.R.Abdul Rahman University, Chennai (2010 onwards)
- **Council Member**, Tamil Nadu State Council for Science and Technology, Chennai (2010 – 2013)

ACADEMIC ADMINISTRATION

- **As Dean**, College Development Council brought in new schemes, grants and fellowships from UGC and other agencies to various affiliated colleges.
- **As Director**, Curriculum Development Council, revised the whole syllabi in general and brought in new rational regulations in the Doctoral Research in the University.
- **As Convenor**, Informatics Centre of Bharathidasan University, Centrallised the Informatics Centre.
- **As Syndicate Member**, contributed significantly in the whole planning and development aspects, acted as Member in Vice-Chancellor Committee, Convenor in a number of Syndicate Sub- committees, etc. of the university
- **As Dean**, Faculty of Science, Developed new methodologies for granting Minor Research Projects and overall regularised the growth of funded projects and other scientific growth of the Departments.
- **As Vice-Chancellor, Gandhigram Rural Institute,(Deemed University)** Engaged in providing over all academic and administrative leadership including creation of new centres in emerging areas, strengthening of on **going courses, introduction of new courses**, evolution of sponsored research projects for integrated rural development using appropriate technologies, brought international collaborations, introduced common counselling for UG,PG &PhD admissions, introduced new API based faculty recruitment, drafted new MOA for GRI as per new UGC regulations, Got Re-Accredited the University by NAAC with '**A**' Grade.