

RESUME

1. Name of the Staff : **Dr. V. E. Nethaji Mariappan**
2. Designation : Scientist-D Department :Centre for Remote Sensing & Geoinformatics
3. Date of Birth : 08-12-1970 Community :Backward
4. Marital Status : Married Children : Two
5. Permanent Address Present Address
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6. Educational Qualification (Starting from Highest to Lowest):

S.No.	Degree	Specialisation	University / Institute	Year of study	Class with % of Marks
1	Ph D	Agriculture, Soil Science	Annamalai University/SAC(ISRO) Ahmedabad	Period of Research work	Qualified
2	M.Sc. Agri.	Soil Science & Agricultural Chemistry	Tamil Nadu Agricultural University	1995-1997	91.7%
3	B.Sc. Agri.	Agriculture	Annamalai University	1990-1994	77%

Ph.D. Title: Crop Simulation Model, Remote Sensing and GIS for Zonal Rice Crop Assessment and Yield Forecasting [work carried out at Space Applications Centre, ISRO as JRF]

PG Title: Soil Resource Appraisal for Pambar Nagavathi Agaram Watershed using Remote Sensing Technique.

7. Experience -From Latest onwards

S.No.	Name of the University /College	Date of Joining	Date of Leaving	Total Service in Years & Months
1	Sathyabama University	04.04.2005	Till date	7 years 4 months
2	Adiparasakthi Agricultural College	20.07.2004	31.03.2005	8 months
3	Institute of Remote Sensing, Anna University	Feb 2004	June 2004	5 months
4	Space Application Centre (ISRO)	Nov. 1999	Dec. 2003	4years 1month
8	Indian Agricultural Research Institute	May. 1999	Oct. 1999	6 months
9	Institute of Remote Sensing, Anna University	Feb. 1998	March 1999	1year 1 month

ACADEMIC ACTIVITIES:

8. Projects Guided: UG BE Completed 3 students PG ME Env. Engg.: Completed -14 Students: Ongoing: NIL

9. Ph.D Students guided : Ongoing : 3 Students

Completed : NIL

10. Subjects Taught:

S.No.	Theory Subjects taught in last 7 years	
	UG Courses B.Tech Chem/B.Sc.Agr/B.Sc.Horti.	PG Courses M.E. Env. Engg.
1	Fertilizer Technology	Remote Sensing and GIS (Lab.)
2	Entrepreneurship Development	Air Pollution and Control
3	Fundamentals of Soil Science	Industrial Pollution Prevention and Cleaner Production
4	Soil Fertility and Fertilizer use	Disaster Management
5	Chemistry of Crops and Fruits	Ecological & Ecosystem Engineering
6		Principles & Design of Biological Treatment System
7		Remote Sensing and GIS for Environmental Applications
8		Climate Change and Adaptation

11. No. of Publications Journals: (in the last 3 years) If more please attach in the same format

S.No	Title	Name of the Journal	Vol. & No/Year	IJ / NJ IC / NC
JOURNALS				
1	Sumithra, R.P., Nethaji Mariappan, V. E. and Joshua Amaranath. 2012. Feasibility Analysis And Design Of Water Distribution System For Tiurnelveli Corporation Using Loop And Water Gems Software. Provisionally Accepted for publication in International Journal on Applied Bio Engineering. Vol.6 (2) July 2012 ISSN: 0973-9084.			
2	V. E. Nethaji Mariappan, & Prathiba Princeton 2012. Environment Assessment of Industrial Landfill Site in Tamil Nadu. Provisionally Accepted for publication in International Journal of Current Research. Vol 5. ISSN 0975-833X. Impact factor 0.5.			
3	Nethaji Mariappan V.E. , Mohana, P. and Murrugesan, C.A., 2012. Spatio- Temporal Assessment of Air Pollution from Thermal Stations and Vehicular Pollution from Urban places in Tamil Nadu. International Journal of Environmental Sciences Volume 3(1), 2012 Provisionally Accepted for publication ISSN 0976 - 4402.			
4	Balasubramanian, P., Nethaji Mariappan V.E. & Joshua Amarnath, D. 2012. A study on re-designing the existing ash storage pond for leachate control of thermal power station. Indian J. Innovations Dev., Vol. 1 (3). pp. 136-141.			
5	Balasubramanian, P., Nethaji Mariappan V.E. & Joshua Amarnath, D. 2012. A study on utilization of discharged hot water for DM/potable water by LTTD method at Ennore thermal station. Indian J. Innovations Dev., Vol. 1 (3). pp. 155-161.			
6	Arun Kumar, M. & Nethaji Mariappan, V.E. 2011. Water Demand Analysis of Municipal Water Supply Using EPANET Software. International Journal of Applied Bioengineering. Vol 5 (1). pp. 9-19. ISSN: 0973-9084			
7	Rekha., S. Jenita. R., Mrunalini, B., Kannan, V. & Nethaji Mariappan, V.E. , 2011. Development and Demonstration of Satellite Image Salinity Analyzer – A Tool For Salinity Mapping. <i>International Journal of Applied Bioengineering</i> . Vol. 5 (1). pp. 25-29. ISSN 0973-9084			
8	Nethaji Mariappan, V.E. 2010. Net Primary Productivity Estimation of Eastern Ghats using Multispectral MODIS Data. <i>International Journal of Geomatics And Geosciences</i> . Vol. 1 (3). pp 406-413. ISSN No: 0976-4380. Peer reviewed.			

9	Shanmuga Sundaram, K., & Nethaji Mariappan, V. E. 2010. Effect of Ground water Contamination on Site Specific Zones of Puducherry State. <i>National Journal on Chembiosis</i> . Vol 1 (2). pp 22-28. ISSN 0975 – 7309
10	Nethaji Mariappan, V.E. , Nagamani, K., & Manoharan, N. 2010. Multi-temporal Land Use/Land cover Change Detection in Semi Urban Vellore District using Landsat TM and ETM+ Data. <i>International Journal on Applied Bio Engineering</i> . Vol. 4 (3). pp-1-6. ISSN: 0973-9084
11	German Amali Jacintha, T, & Nethaji Mariappan, V.E. 2010. A Study on Tamilnadu Coastal Deformation processes using SAR Interferometric data. 2011. <i>International Journal of Geomatics and Geosciences</i> . Vol. 1 (3). pp. 879-890. ISSN No: 0976-4380
12	Mohana P., Nethaji Mariappan V.E. , & Manoharan N. 2009. Land Suitability Analysis For The Part of Parambikulam Aliyar Command Area, Udumalpet Taluk Using Remote Sensing And GIS Techniques. <i>Intl. Jol. on Design and Manufacturing Technologies</i> , Vol.3 (2), pp. 98-201. ISSN No:0937-9106
Intl/ Nat. Conferences with ISBN numbers	
1	Nagamani, K., & Nethaji Mariappan, V.E. , 2011. Remote Sensing and GIS and Land use Land Cover Mapping. In: National Seminar on Environmental Monitoring: Issues and Challenges. Organized by Madras Christian College, Chennai. 2011. Vol. 1. pp. 33-39. ISBN 978-93-8100-016
2	Nethaji Mariappan, V.E. & Mohana P., 2011. Spatial Urban Spurt Analysis In Kancheepuram District Due To Special Economic Zones (SEZ). 12th Esri India User Conference 2011 pp.1-10
3	Soil Salinity Assessment using Geospatial Technology, Perspectives, Approaches and Strategies Indian Cartographer Accepted for publication 2011 NJ
4	Santhanam, K., Agila, J. E. Mohana, P. Nethaji Mariappan V.E. , Balamurugan, G. & Manoharan, N.. 2010. Micro level water planning using Remote Sensing and GIS techniques In: Geomatic Based Natural Resources, Disaster Mitigation and Management, National Conference Organized by Tamil University, Thanjavur 2010, Vol 1. pp. 103-108 <i>ISBN No:978-93-80211-05-3</i>
5	Nethaji Mariappan.V.E , Dadhwal.V.K., Ravichandran.M ., & Manoharan.N, 2010. TamilNadu Zonation Through Trend Analysis Agglomerative Clustering Techniques In: Geomatic Based Natural Resources, Disaster Mitigation and Management, National Conference Organized by Tamil University, Thanjavur 2010, Vol 1. pp. 395-401. <i>ISBN No:978-93-80211-05-3</i>
6	Nethaji Mariappan V.E. , Mohana P., Balamurugan, G., Niranjankumar, T. & Manoharan N. 2010. Mapping and analysis of surface structures of watersheds utilizing remote sensing data and geospatial technology. In: Intl. Conf. on Hydrology & Watershed Management, Organized by Jawaharlal Nehru Technological University, Hyderabad. 2010, Vol. 2. pp. 965-971. <i>ISBN No:978-81-7800-224-8</i>
7	Soundar rajan, D., Vijayalakshmi, M.M. & Nethaji Mariappan, V.E. 2010. Assessing a Suitable Method in Estimating Evapotranspiration for Crop Water Requirement. Intl. Conf. on Recent Advances in Space Technology Services & Climate Change, Sathyabama University, Chennai. 2010, Vol 1. pp. 280-283. <i>ISBN 978-1-4244-9183-4/10/\$26.00©2010IEEE</i>
8	German Amali Jacintha, T., Santhanam, K., Nagamani, K, Monoharan, N. & Nethaji Mariappan, V. E. (2010). Influence of Hydrological parameters on Landuse/land cover systems of Vembakkam Watershed. In: Geomatic Based Natural Resources, Disaster Mitigation and Management, National Conference Organized by Tamil University, Thanjavur. 2010, Vol 1. pp. 69-75. <i>ISBN No:978-93-80211-05-3</i>
9	Nagamani, K., Nethaji Mariappan, V.E. , & Manoharan, N. 2010. Forest Type Mapping of Javadhu Hills using Remote Sensing and GIS. In: Geomatic Based Natural Resources, Disaster Mitigation and Management, National Conference Organized by Tamil University, Thanjavur. 2010, Vol 1. pp.34-39. <i>ISBN No:978-93-80211-05-3</i>
10	Nethaji Mariappan.V.E , Manoharan.N, Ravichandran.M & Dadhwal.V.K. 2008. Rice Yield Prediction of Chengalpattu District in Tamil Nadu using Crop Simulation Model (CERES-RICE Model) Intl. Conf. on emerging scenario in space Technology and applications. Sathyabama University, Chennai. 2008, Vol. 2. pp. 729-734
11	Ganesh Kumar.A, Varthamanan.Y, Nethaji mariappan.V.E , Swarnalatha.V, Swarnalatha.S, Kannan.V 2008. Nano ceramic composite materials for space applications. In: Intl. Conf. on emerging scenario in space Technology and applications, Sathyabama University, Chennai. 2008, Vol 2, pp. 772-773.

12. No. of Publications as books: (in the last 3 years) If more please attach in the same format

S.No	Title	Author Name	Year	ISBN No
1	Awareness Programme on Basic Sciences	Dr.B.Sheela Rani & Dr. V.E.NethajiMariappan	2011	978-81-920866-9-9
2	Essentials of Plant Nutrients	T.Selvaraj & Dr. V.E.Nethaji Mariappan	2011	978-81-920866-8-2
3	Glimpse of Plant Chemistry	T.Selvaraj & Dr. V.E.Nethaji Mariappan	2011	978-81-920866-6-8
4	Concepts of Soil Survey	T.Selvaraj & Dr. V.E.Nethaji Mariappan	2011	978-81-920866-7-5
5	Know about Soil (in Tamil)	T.Selvaraj & Dr. V.E.Nethaji Mariappan	2011	978-81-920866-5-1
6	Integrated Farming System (in Tamil)	Dr. Vanangamudi, Dr. V.E.NethajiMariappan, Ms. Premakumari	2005	Editors

13. Sponsored Projects by the staff member involved in the Last 5years (If More Please attach in the same format)

Projects: Principal Investigator 9 projects; Co-Investigator- 2 projects funded by various Govt. Organizations

S.No	Title	Name of the sponsoring Agency	Amt. in Rs.	Duration & Year of sanction	Status of Project
1	Effect Of Quarrying And Possible Health Hazards To The Quarry Workers And The Public In And Around Chennai District Using Remote Sensing And Geographic Information System	ICMR/DHR	48.60 lakhs	3 years	approved
2	Assessing Terrestrial Carbon Of Eastern Ghats Of Tamil Nadu Using Field Based Approach And Satellite Data With A View To Sustain And Upgrade Bio-Fixation Of CO ₂ By Forest Cover	DST-NPSCR	36.00 lakhs	3 years	Ongoing
3	Creating a digital database of Tamil Nadu (Base map& Land use/Land cover Map) using Remote Sensing and GIS	C-WET	5.20 lakhs	6 months	Completed
4	AWIFS Spectral Biomass Model for Tiruvannamalai District	ISRO-RESPOND	21.09 lakhs	2 years	Ongoing
5	Spatio-Temporal Monitoring of soil moisture dynamics and crop growth	ISRO-RESPOND	22.80 lakhs	2 years	Ongoing
6	Continuous Monitoring and Analysis of High Tide and Low Tide along Shores of BHAVINI	BHAVINI, DAE	8.42 lakhs	1 year	Ongoing
7	Study on the effect of Off-Shore Protection Through Field Survey and Satellite Imaging	BHAVINI, DAE	6.76 lakhs	1 year	Ongoing
8	Campus GIS Model for A BHAVINI for Planning, Monitoring and Management of	BHAVINI, DAE	4.31 lakhs	1 year	Ongoing

	the Site Related Spatial Issues Using Remote Sensing and GIS				
9	Assessment of Irrigation potential created for Hirehalla and Maskinala Irrigation project, Karnataka State in India Using CARTOSAT satellite Data	NRSC	±1.00 lakh	1 year	Ongoing
10	"Deriving Forest Cover map of Karnataka and Maharastra and Overlaying it on the Wind Power Density Map of Respective Sates".	C-WET	1.75 lakhs	6 months	completed
11	Development of Spatial Decision Support System to suggest sustainable agricultural crop pattern for Udumalpet canal command area of Parambikulam Aliyar project	NRDMS, DST	9.12 lakhs	18 moths	completed
12	Generation of Large Scale Village Resources Information System for the Tsunami Affected Coastal Villages Using Remote Sensing and GIS	NRDMS, DST	8.35 lakhs	12 months	completed
13	Monitoring of Coastal Environment with Special Reference to Disaster Mitigation using High Resolution Satellite Data and GIS	MoEF	15.59 lakhs	18 months	completed
14	Assessment of Irrigation potential created for Ghataprabha Irrigation project, Karnataka State in India Using CARTOSAT satellite Data	NRSC	1.40 lakhs	12 months	completed

14.Seminars /Conferences /training/ workshops organized in the last 3 years :

S.No	Title	Dates		Duration
		From	To	
1	Science Camp under INSPIRE Programme sponsored by DST New Delhi	30 th July	3 rd August 2012	5 days
2	Science Camp under INSPIRE Programme sponsored by DST New Delhi	July 4 th	July 8 th 2011	5 days
3	Science Camp under INSPIRE Programme sponsored by DST New Delhi	Nov 7 th	Nov 11 th 2011	5 days
4	One Week Training Programme on "Disaster Management using Remote Sensing and GIS to Government officials sponsored by MoES, New Delhi	Conducte d from Nov 8 th	13 th Nov 2010	6 days
5	International Conference on Recent Trends in Space Technology Services and Climate Change (RSTS&CC2010) in association with ISRO	Nov 13 th	15 th Nov.	3 days
6	Workshop on "Sensor Web Enablement" 2009 sponsored by DST, New Delhi	Sep 7 th	Sep 8 th	2 days
7	International Conference on Emerging Scenarios in Space Technology and Applications (ESSTA2008) held at Sathyabama University campus in association with ISRO	Nov 13 th	15 th Nov.	3 days

8	Weekend course in Geospatial Technology-2010 –Training	March 6 th	April 4 th	12 days
9	Sensor Web Enablement- 2008 (workshop)	2 nd	3 rd June	2
10	Geospatial Technology-Concepts and Applications -2007-2008	Oct. Nov. Dec.07, & March 2008		Each two weeks
11	GIS and Remote Sensing -2006	Feb. 2006 Oct-Nov.2006		Each two weeks
12	Capsule course on Remote Sensing and GIS/Awareness training programme on RS & GIS Orientation Training programme on RS & GIS	2005-2010		Each two days, five days and two weeks

15. Journal Editor: <http://www.eisrjc.com/editorial-board.html>
 Journal Editor: <http://www.eisrjc.com/journals-list.html?title=Americas Journal of Agricultural Science>
 Journal Reviewer: www.academicjournals.org/ [Journal of Geography and Regional Planning](http://www.academicjournals.org/Journal_of_Geography_and_Regional_Planning)
[http://physical.sciencejournals.cc/Science Journal of Physics](http://physical.sciencejournals.cc/Science_Journal_of_Physics)
 Session Chair: <http://www.iseconference.com/earth-environmental-science.html>
 Mentor: <http://www.planetunderpressure2012.net/>
Ph.D. Supervisor at Sathyabama University No: 96096

16. Membership in Societies:
Executive Council member Indian Society of Remote Sensing (ISRS) Chennai Chapter
Technical Committee member –National Institute of Epidemiology NIE-ICMR, Chennai
 Life Member: Indian Society of Remote Sensing (ISRS)
 Life member in Indian Society of Geomatics (ISG)
 Life Member in Indian Association of Nuclear Chemists and Allied Sciences (IANCAS)
JRF sponsored by NRSA, Govt. of India in support of PG programme
JRF sponsored by SAC (ISRO) Govt. of India in support of Doctoral Programme.

Chief Guest –National Technical Symposium conducted by Civil Department @ Chendu college of Engineering @ Maduranthagam, Kancheepurm Distrct. Day –Septem 13th 2012.

Delivered Guest lecture @ Thiyagaraja College of Engineering

Delivered Guest lecture @ School of Energy and Environment @ Madurai Kamaraj University

Signature of the Author

References:

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