
Vinay Shivamurthy

612, 2nd cross, 4th main,
BEML Layout 3rd stage
Rajarajeshwari nagar
Bengaluru 560098

Mobile 📞: (+91) 9916488990

Email ✉: vinayshivamurthy1986@gmail.com

Research gate:

https://www.researchgate.net/profile/Vinay_Shivamurthy

Google scholar:

<https://scholar.google.co.in/citations?user=cuRdQR0AAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-0651-9239>

ReseracherID: Q-7923-2016

Qualification:

Post-Doctoral Fellow (RCGSIDM, IIT Kharagpur)

Ph.D (Civil Engineering, VTU RRC, Belgaum, VTU) (2019)

M.Tech (Geoinformatics, KSRSAC, VTU) (2012)

B.E (Civil Engineering, RVCE,VTU) (2008)

Work Experience: Worked as a project assistant between September 24th 2012 to December 31st 2019 and as research assistant between January 1st 2020 to March 8th 2020 at Energy and Wetlands Research Group, Centre for Ecological Science, Bengaluru.

Publications: 99

Peer Reviewed National and International Journals : 23 (SCIE – 9)

Book Chapters : 4

Conference Proceedings : 33

Technical Reports : 39

Recent Publications:

Journals:

- Ramachandra, T. V., Bharath, S., Vinay, S., 2019, Visualisation of impacts due to the proposed Developmental projects in the Ecologically Fragile regions- Kodagu district, Karnataka, Progress in Disaster Science, doi: 10.1016/j.pdisas.2019.100038
- Ramachandra, T. V., Jefferey Sellers., Bharath, H. A., Vinay, S., 2019, Geo-Visualisation of Landscape dynamics in the mega industrial corridor, Environmental Monitoring and Assessment,191 (S3), p.788 doi: 10.1007/s10661-019-7701-z
- Ramachandra, T. V., Jefferey Sellers., Bharath, H. A., Vinay, S., 2019, Modeling urban dynamics along major industrial corridors in India., Spatial Information Research, 27(1), pp. 37 – 48, doi: 10.1007/s41324-018-0217-8
- Ramachandra, T. V., Vinay. S., Bharath, S., Shashishankar, A., 2018, Eco-Hydrological footprint of a River basin in Western Ghats, Yale Journal of Biology and Medicine, 91(4), pp.431-444, PMID: 30588209; PMCID: PMC6302628.

- Ramachandra, T. V., Bharath, S., Vinay, S., 2018, Ecological Sustainability of Riverine Ecosystems in Central Western Ghats, Journal of Biodiversity, 9(1-2), pp. 25– 42.

Book Chapters:

- Ramachandra, T. V., Vinay, S., Bharath, H. A., 2020, Spatial Decision Support System (SDSS) for Urban Planning, Bharath, H. A. Ramachandra, T. V., (Eds), Urban Growth Patterns in India-Spatial Analysis for Sustainable Development, 1st Edition CRC Press: Taylor and Francis,, ISBN:978-0367225216, doi: 10.1201/9780429275319

Conference proceedings:

- Vinay, S., Bharath, H. A., Ramachandra, T. V., 2019, Integration of optical and topographic data for improved land use classification accuracies, In proceedings of NSRS 2019 – AMC Engineering College, Bangalore, India, April 25 – 26, 2019
- Ramachandra, T. V., Vinay, S., Bharath, S., 2019, Climate trends with land use dynamics in the Western Ghats, at International Conference on Climate Change Impacts, Vulnerabilities, and Adaptation: Emphasis on India and Neighbourhood (CCIVA), IIT Kharagpur, Kolkata, India, February 26 – March 2, 2019.
- Ramachandra, T. V., Vinay, S., Bharath, S., Chandran, M. D. S., Bharath, H. A., Shashishankar, A., 2018, Eco-Hydrological footprint of Sharavathi river basin, In proceedings of Lake 2018, Moodbidri, Dakshina Kannada, Karnataka, India, December 22 - 25, 2018.

Technical Reports:

- Ramachandra, T. V., Vinay, S., Bharath, S., 2019, Impetus to land use dynamics with the proposed linear (railway) projects in South Karnataka, Case study of the proposed railway lines between Mysore – Kushalnagar and Mysore – Thalassery, Sahyadri Conservation Series 91, ENVIS Technical Report 162, Environmental Information System, Centre for Ecological Sciences, Indian Institute of Science, Bangalore, 560012.
- Ramachandra, T. V., Vinay, S., Bharath, H. A., 2018, Need to Preserve the buffer zones integrity of water bodies, ENVIS Technical Report 152, Environmental Information System, Centre for Ecological Sciences, Indian Institute of Science, Bangalore, 560012.

Awards:

- Sahyadri Ecologist – Lake 2016 (Conference)
- Sahyadri Young Ecologist – Lake 2014 (Conference)
- Sir M Visvesvaraya Award - B.E (best project)
- Best Paper Award – WEIZ, IIT-KGP 2017
- Jury Award – NSRS, AMCEC 2017
- Best Research – NSRS, AMCEC 2018

Memberships:

- IEEE Student Member since 2013
- Indian Society of Remote Sensing, Life Member

External Funded Projects:

Mega-Regional Development and Environmental Change in China and India, Asia-Pacific Network for Global Change Research (APN)

Invited Talks, Guest Lectures and Training Programs: 19

- Internet based Environmental Management course, since 2014. CCE, IISc
 - GSDP Training program, EWRG, IISc (2018, 2020 Jan, 2020 March)
 - Lake Symposium Pre-Lake Workshops, EWRG, CES, IISc
 - QIP Courses, CCE, IISc, Bangalore
 - QIP Courses, CEP, IIT Kharagpur, West Bengal
 - FOSS 4G, Workshops, EWRG, CES, IISc
 - Nature Science Internship Programmes, Adamyia Chetana (NGO)
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Areas of Research Interest

- Applications of GIS and Remote Sensing (Forests, Land use, Modeling, Mining, Resource Management, Impact Assessment, Sensitivity Analysis)
 - Climate Change, Hydrology, and Environment Management
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Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and conscience.

Vinay S
Thursday, 12 March 2020