CURRICULUM VITAE

Dr. Dhanaraj K

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Research & Academic Interests

- Remote sensing and GIS applications in urban geography
- Social and natural resources mapping and management
- Historical Urban Geography, Archeological Geography, and Historical GIS.
- Urban Geography, Physical geography, Human Geography, Practical in Geography, and Cartography.

Experience

- Assistant Professor -I at Amity Institute of Geoinformatics and Remote Sensing, Amity University, NOIDA from 24 July 2023.
- Assistant Professor (contractual) at Dept. of Geography, Central University of Karnataka, from March 2022 to February 2023.
- Senior Research Fellow (PhD) at Dept. of Geography, Mangalore University from February 2019 to 2022.
- Junior Research Fellow (PhD) at Dept. of Geography, Mangalore University from February 2017 to February 2019.
- Guest Faculty at PG(M.Sc.) Dept. of Geography at Mangalore University, Mangalagangothri, from August 2016 to February 2017.

Publications

1. **K. Dhanaraj**, and Gaurav V. Jain**, Urban Growth Simulations in a Medium-Sized City of Mangaluru, India, Through CA-Based SLEUTH Urban Growth Model,** *Journal of the Indian Society of Remote Sensing*, Springer Nature Switzerland AG, December 2022. https://doi.org/10.1007/s12524-022-01638-0.
2. **Dhanaraj, K.**, and D. P, Angadi (2022), **Analysis of Urban Expansion Patterns Through Landscape Metrics in an Emerging Metropolis of Mangaluru Community Development Block, India, During 1972–2018,** *Journal of the Indian Society of Remote Sensing*, Springer Nature Switzerland AG, June 2022. https://doi.org/10.1007/s12524-022-01567-y.
3. **Dhanaraj, K.**, and D. P, Angadi (2022), **Geospatial analysis of contemporary urbanisation and rural–urban transition in Mangaluru, India,** *Asia-Pacific Journal of Regional Science*, Springer Nature Switzerland AG, May 2022. https://doi.org/10.1007/s41685-022-00239-6.
4. **Dhanaraj, K.**, Gaurav V Jain, and D. P, Angadi (2022), '**Land-use change dynamics and urban growth simulations in a medium-sized city of Mangaluru, India through CA-based SLEUTH urban growth model',** (Preprint). 16 March 2022, available at Research Square https://doi.org/10.21203/rs.3.rs-759867/v1.
5. **Dhanaraj, K.**, and D. P, Angadi (2021) '**Urban expansion quantification from remote sensing data for sustainable land-use planning in Mangaluru, India'**, Remote Sensing Applications: Society and Environment, Elsevier Publications, Volume23, August 2021. https://doi.org/10.1016/j.rsase.2021.100602.
6. Published **Dataset: Spatial metrics in the analysis of the dynamics of urban landscape patterns in Mangaluru, India**, 10 July 2021. Mendeley Data. DOI: 10.17632/5khrrds6yg.2.
7. **Dhanaraj, K.,** Angadi, D.P. A GIS based interpretation of the historical evolution of urban settlements in Mangalore City, India. *Spat. Inf. Res.* Springer Singapore (2020). https://doi.org/10.1007/s41324-020-00363-5

8. **Dhanaraj, K.,** Angadi, D.P. Land use land cover mapping and monitoring urban growth using remote sensing and GIS techniques in Mangaluru, India. *GeoJournal* Springer Netherlands (2020). https://doi.org/10.1007/s10708-020-10302-4
9. **Dhanaraj K,** Dasharatha P. Angadi, ""**IMPERVIOUS SURFACE MAPPING OF MANGALORE TALUK: A SUB-PIXEL (SOFT) CLASSIFICATION APPROACH" ",** *International Journal of Research and Analytical Reviews (IJRAR)*, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.6, Issue2,pp.988-994,June2019**,** http://www.ijrar.org/viewfull.php?&p_id=IJRAR19K6017
10. **Dhanaraj K** and Dasharatha P. Angadi (2017). Morphometric Characterisation of the Kumaradhara River Basin, India: A Geoinformatics Perspective, *Regional Symbiosis*, Vol. 25, 2017, pp 157-168, ISSN 0972-2041.
11. Manjunatha C S, **Dhanaraj K**, and Chandrashekara B. Measuring spatial pattern of urban sprawl in the Mysuru local planning district using Shannon Entropy, 2000-2021**,** Transactions**,** 2023 **(Scopus indexed).**

Books & Chapters

- **Dhanaraj K** and Dr. Vishwanatha S., 2022, Analysis of urban growth dynamics through remote sensing and GIS methods: A case study of Mangaluru, India. Sustainable Urbanisation: Issues and Challenges. Editors: Dr. Manjunatha C. S., Dr. Vishvanatha S., Prof. Chandrashekara, B. Red shine Publication, 69-86. ISBN: 978-93-93239-11-2. DOI:10.25215/9393239118.

Details of the Conferences/workshops/Training attended

- Presented a research paper entitled **"Spatio-temporal pattern of land use land cover changes and urban growth detection from remotely sensed data in a medium-sized city of Mangaluru, India".** The IGS-International E-Conference on "EARTH SCIENCES AND SUSTAINABLE DEVELOPMENT GOALS", August 5-7, 2021 2021, Dept. of Geography, Osmania University, Hyderabad, Telangana in Collaboration with the Indian Geographical Society, Chennai.
- Presented a research paper entitled "**Quantification of the Spatio-Temporal Dynamics of Urban Expansion Modes and Intensities for Sustainable Land Use Planning in Mangaluru, India**". National Web Conference on 'Environment, Development, and Livelihood: Sustaining Earth and People', June 10-12, 2021,

Department of Geography, Savitribai Phule Pune University, Pune and Institute of Indian Geographers.

- Participated in the online course on **"Geospatial Technology for Archaeological Studies"** Conducted by the Indian Institute of Remote Sensing Dehradun from **17-05-2021 to 21-05-2021.**
- Participated in the online course **"Overview of Geoprocessing using Python"** CONDUCTED by the Indian Institute of Remote Sensing Dehradun from **18-01-2021 to 29-01-2021.**
- Completed Basic (Track 1) and Advanced (Track 2) modules of MOOC on Geospatial Applications for Disaster Risk Management, conducted by UN-SPIDER and CSSTEAP. Enrolment No: IJRS 2020418389.
- Completed joint online training on making cities resilient: developing local disaster risk reduction strategy to respond to COVID-19 and to better prepare for the future, conducted by UNDRRR and UNOSSC and PAHO. From 08 September to 06 October 2020.
- Has completed a 3-month TREES training programme from 01/07/2020 to 15/09/2020 at Earth-eco system training division, VEDAS research group, Earth, Ocean, Atmosphere, planetary sciences and application area, dept. of space, Govt. of India, Space Application Centre, Ahmadabad.
- Has completed 21 days Online GIS Training Program using QGIS, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from 13.7.2020 to 2.8.2020.
- Presented a research paper entitled **"A GIS-based interpretation of the historical evolution of urban settlement in Mangaluru city, India".** XIII International Geographical Union (IGU)-India, International Conference on Heading toward zero: Sustainable development in Economy, Environment and Society" - October 19-21, 2019, Central University of Haryana.
- Attended TRESS training program on Advanced Geospatial Technology at SAC, Ahmedabad from 26-29 November 2019.

- Attended National workshop on Data Analytics and SPSS conducted by IBM at Mangalore University, 26 to 27 September 2019.

- Training programme on 'Innovative Geospatial Technologies' (Remote Sensing, IRNSS&GIS), Sponsored by National Natural Resource Management System (NNRMS) ISRO, organized by Dept. of Geography & Geoinformatics, Bangalore University, Bangalore, 7th - 27th May 2018.
- Presented a research paper entitled "**Morphometric characterization of Kumaradhara River basin in coastal Karnataka: A GIS perspective"** International Conference on urbanization, health & well-being and sustainable development goals, March 17-19, 2017, Dept. of Geography, Osmania University, Hyderabad, Telangana.
- Completed a short-term course on Spatial Statistics organised by the School of Earth sciences, Central University of Karnataka, on November 19, 21 2015.
- Completed the course on "Applications of Remote sensing and GIS for Natural resources" conducted by IIRS, January 27 to March 27, 2015.
- Participated in the KSTA conference on "Science and Technology on Disaster Management" organized by the Central University of Karnataka. (Jan 22-23, 2015)
- Presented a poster at the KSTA conference on 'Endosulfan Tragedy' (Jan 22-23, 2015).
- Completed the basic course on "Remote sensing, Geographic Information System and Global Navigation Satellite System" conducted by IIRS, 04-08-2014 to 14-11-2014.
- Participated in GIS Day Function organized by the School of Earth Sciences, Central University of Karnataka (Nov 19 2014)
- Presented a model in GIS Day Function "Spatial Analysis of deaths in John snows Map of London" (Nov 14 2014).
- Participated in a 2-day workshop on "Real Time GIS", the Central University of Karnataka.

Details of Workshops/Lectures Conducted/Delivered

- Handled the training session on "**GIS Based Master Plan for Town Planning Department**" with hands-on exercises for Assistant Directors of Town & Country Planning Department, Govt. of Karnataka from 17.10.2022 to 21.10.2022 at the **State Institute of Urban Development (SIUD), Mysuru**.
- Delivered a special talk on 'Climate Change' at M S COLLEGE HSS PERDALA, NIRCHAL, Kasaragod on the event of NSS 7 days residential camp.

Reviewer in Journals

- Asia-Pacific Journal of Regional Science
- Geojournal
- Geografisk Tidsskrift - Danish Journal of Geography
- Scientific Reports – Nature
- Environmental Research Communications - IOP Publishing
- Environmental Monitoring and Assessment
- Heliyon

Memberships

- Institute for Regional Development Studies, Kanpur, India (Life member)
- Union of Geographic Information Technologists (UGIT), Bangalore, India (Life Member).
- Indian Science Congress, Kolkata, India (Annual Member).

Honours and Awards:

- Junior Research Fellowship, University Grants Commission, Govt. of India, 2016.

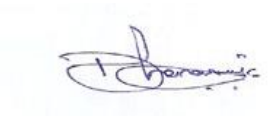
Skills:

- Fluency in Kannada, Malayalam, English and Hindi.

- Experience in handling GIS and Image processing Software: ArcGIS, Erdas Imagine, QGIS, ENVI, and other open-source software.
- Basic knowledge of C programming language.

Declaration

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.



Place: Noida

Date: August, 2023 (Dr. Dhanaraj K)