DR. SUBHANIL GUHA

Global Top 2% Scientist | Geomatics Engineering & Urban Ecology
Independent Researcher & International Academic Consultant
Location: Kolkata, India (Willing to relocate for international research programs)
Expertise: Remote Sensing, Urban Thermal Environment (LST/UHI), Sustainable Development (UN-SDGs)
[Scopus Author ID: 57195756024] | [ResearcherID: E-2129-2018] | [ORCID ID: 0000-0002-2967-7248]

EXECUTIVE SCIENTIFIC PROFILE

Recognized in the **Stanford-Elsevier World's Top 2% Scientists** list for three consecutive years (**2023, 2024, 2025**) with a 15-year career dedicated to the intersections of Geography, Geomatics, and Urban Sustainability. Ranked **#51,246 globally** and **#539 in Geomatics Engineering & Ecology (2025)**, my work is characterized by extreme high-impact leadership: **95% of my research is led as a Corresponding Author**, with a Field-Weighted Citation Impact (FWCI) reaching up to **31.0+**. I am currently documenting the thermal resilience of **60+ European Cities** through two upcoming monographs for Springer Nature and Taylor & Francis.

CORE BIBLIOMETRIC IMPACT (SCOPUS/STANFORD DATA)

- **Global Rank (2025):** 51,246 (Top 2% Globally)
- **Field Rank:** #539 in Geomatics Engineering & Ecology
- **Scopus Citations:** 2,084 (1,830 excluding self-citations)
- **H-Index:** 22 (Scopus)
- **Lead Authorship Index:** 74% First Author | 95% Corresponding Author (39 Articles)]
- **Journal Quality:** 19 papers in **Q1 Journals**
- **Average FWCI:** 2.445 (Overall)
    - *10 Publications > 5 FWCI (Highlights include 10+, 11+, 16+, and 31+)*
    - *20 Publications > 2 FWCI*
- **Citation Velocity:** 12 papers with >50 citations; 4 papers with >100 citations.

AREAS OF RESEARCH EXCELLENCE

- **Satellite Remote Sensing & GIS:** Advanced LST retrieval, spatiotemporal mapping.
- **Urban Climatology:** Surface Urban Heat Island (SUHI) modeling & mitigation.
- **Sustainable Planning:** Urban land use/cover change (LULC) & biophysical indices.
- **UN-SDG Alignment:** Specialized in **SDG 11 (31 Documents)**, SDG 15, SDG 3, and SDG 8.

PROFESSIONAL APPOINTMENTS & EDITORIAL LEADERSHIP

- **Associate Editor:** *Frontiers in Sustainable Resource Management* (Sustainable Land Use Section).
- **Independent Researcher & Consultant:** (2025–Present)
- **Global Expert Reviewer:** 725 verified reviews in **Web of Science** (Top 1% globally).
- **Academic Experience:** 15 Years in Research and Teaching.

EDUCATION

- **Ph.D. in Remote Sensing & GIS** (2021) – National Institute of Technology (NIT) Raipur, India.
- **PG Diploma in Geoinformatics** – ITC, University of Twente, Netherlands.
- **M.Sc. in Geography** – University of Calcutta, India.

MAJOR CURRENT WORKS & MONOGRAPHS

Currently authoring **two high-level monographs** for **Springer Nature** and **Taylor & Francis** focusing on the thermal environment and climate resilience of **60+ European Cities**.

RESEARCH PROFILE LINKS

- ORCID Profile: https://orcid.org/0000-0002-2967-7248
- Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=57195756024
- Web of Science Profile: https://www.webofscience.com/wos/author/rid/E-2129-2018
- Google Scholar Profile: https://scholar.google.co.in/citations?user=gixTyZgAAAAJ&hl=en
- ResearchGate profile: https://www.researchgate.net/profile/Subhanil_Guha
- Sci profile: https://sciprofiles.com/profile/129414
- Top 2% Scientist: https://topresearcherslist.com/Home/Profile/855191
- Loop Profile: https://loop.frontiersin.org/people/1126748/overview

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REPRESENTATIVE HIGH-IMPACT PUBLICATION

- *Guha S, Govil H, Dey A, Gill N (2018) Analytical study of land surface temperature with NDVI and NDBI using Landsat 8 OLI/TIRS data in Florence and Naples city, Italy. European Journal of Remote Sensing. 51(1): 667-678. https://doi.org/10.1080/22797254.2018.1474494 [Impact: 8.3 CiteScore; 491 Scopus citation; FWCI: 10.56]*
- *Guha S, Govil H (2025) Evaluating the stability of the relationship between land surface temperature and land use/land cover indices: a case study in Hyderabad city, India. Geology, Ecology, and Landscapes. http://dx.doi.org/10.1080/24749508.2023.2182083 [Impact: 11.3 CiteScore; 28 Scopus citation; FWCI: 11.67]*

- *Guha S, Govil H (2021) An assessment on the relationship between land surface temperature and normalized difference vegetation index. Environment, Development and Sustainability. 23: 1944-1963. https://doi.org/10.1007/s10668-020-00657-6 [Impact: 11.1 CiteScore; 150 Scopus citation; FWCI: 7.75]*
- *Guha S (2021) Dynamic seasonal analysis on LST-NDVI relationship and ecological health of Raipur City, India. Ecosystem Health and Sustainability. 7(1): 1927852. (AAAS-A Science Partner Journal) https://doi.org/10.1080/20964129.2021.1927852 [Impact: 5.1 CiteScore; 36 Scopus citation; FWCI: 1.99]*
- *Guha S, Govil H (2022) Annual assessment on the relationship between land surface temperature and six remote sensing indices using Landsat data from 1988 to 2019. Geocarto International. 37(15): 4292-4311. https://doi.org/10.1080/10106049.2021.1886339 [Impact: 8.8 CiteScore; 75 Scopus citation; FWCI: 5.98]*
- *Guha S, Govil H, Taloor AK, Gill N, Dey A (2022) Land surface temperature and spectral indices: A seasonal study of Raipur City. Geodesy and Geodynamics. 13(1): 72-82. https://doi.org/10.1016/j.geog.2021.05.002 [Impact: 4.7 CiteScore; 71 Scopus citation; FWCI: 5.21]*
- *Guha S, Govil H, Gill N, Dey A (2021) A long-term seasonal analysis on the relationship between LST and NDBI using Landsat data. Quaternary International. 575-576: 249-258. https://doi.org/10.1016/j.quaint.2020.06.041 [Impact: 5.9 CiteScore; 93 Scopus citation; FWCI: 5.20]*

STRATEGIC COLLABORATION INTERESTS

Seeking a **Host Institution** to lead/partner in:

- **ERC Starting/Consolidator Grants** (Environment/Geosciences/Sustainable Development)
- **Horizon Europe Twinning & Excellence Hubs**
- **MSCA Staff Exchange & Global Fellowships**
- **Other significant Research Programme**

I hereby declare that the information furnished above is true to the best of my knowledge.
Place: Kolkata | **Date:** 22 April 2026 | **Signature:** *Subhanil Guha*