

Inaugural Editorial Note

GeoAI Insights: Bridging Geospatial Science and Artificial Intelligence

With immense pleasure and a profound sense of responsibility, we present the inaugural issue of *GeoAI Insights*, an open-access, peer-reviewed journal committed to advancing the frontiers of *Geospatial Artificial Intelligence (GeoAI)*. In recent years, combining *geospatial technologies* with *machine learning, deep learning, and artificial intelligence* has led to groundbreaking advancements in understanding, analysing, and predicting spatial phenomena. From intelligent urban planning and climate change modeling to autonomous navigation and spatial epidemiology, the potential applications of GeoAI are vast and transformative. *GeoAI Insights* aims to be a leading international platform for researchers, scientists, developers, and practitioners to publish high-quality, original research that explores:

- **Agriculture** for soil and crop science, crop physical and biological stresses, crop diseases and protection, multiple crop classifications, yield predictions, crop condition monitoring, crop water, crop phenology, crop-related soil characteristics, soil-water balance, precision farming, etc.
- **Sustainable Land Management** for land use, land cover change detection, future prediction and mapping, land degradation, land governance and planning, land desertification, soil mapping, etc.
- **Urban and regional planning** for urban change detection, mapping, road network extraction, building detection, urban heat mapping, urban green mapping, smart city-related projects, and novel case studies.
- **Forestry** for tree detection, plant species detection and classification, fire monitoring, forest mapping and planning.
- **Geospatial Measurements** for surface Mapping, Geotagging, etc.
- **Surface material** to detect contents from rocks and soil, etc.
- **Surface Water analysis** for water quality analysis.

This journal was founded under the aegis of *Science Transactions* to provide a rigorous and accessible platform dedicated to excellence in theory and practice. We aim to reflect the field's current state and shape its future by encouraging innovation, interdisciplinary collaboration, and ethical exploration. We sincerely thank the *Editorial Board*, whose expertise and vision have shaped this journal from its inception. We are also thankful to the valued referees for their commitment and kind support and to the authors whose work inaugurates

this first issue. We also thank *Science Transactions* for offering the article management system and occasionally providing support. We invite international researchers and scientists to contribute to *GeoAI Insights* as authors, referees, and readers, helping to build a vibrant academic and applied community. Whether offering your newest study, reviewing articles, or engaging with published papers, your contributions are vital to accomplishing this endeavour. Together, we can foster a comprehensive and dynamic conversation that will determine the area of GeoAI and help it move toward new prospects. On behalf of the editorial team, I thank you for your help and look forward to your engagement as we embark on this exciting journey. Let this opening issue commence a significant, impactful journey to shape GeoAI research for a brighter, more sustainable world.

Professor (Dr.) Karbhari Vishwanath Kale

Editor-in-Chief

GeoAI Insights

Former Vice-Chancellor,

Dr. Babasaheb Ambedkar Technological University,

Lonere, Maharashtra, India.

Email: kvkale.csit@bamu.ac.in;

kvkale91@gmail.com.