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FOREWORDS



It is with great pride and honor that the Survey Department presents the 25th Issue (Silver Jubilee Edition) of the Journal on Geoinformatics Nepal, the Department's respected annual publication. Marking twenty-five years since its inaugural publication in 2002, this commemorative issue celebrates the journal's continuous contribution to the advancement of geoinformatics, surveying, mapping, and spatial sciences in Nepal. Over the past quarter century, the journal has grown into a respected platform for knowledge exchange and scientific dissemination, documenting the evolution of Nepal's geospatial sector and strengthening the nation's geospatial knowledge base.

Geoinformatics has advanced rapidly, transforming how geospatial data is collected, analyzed, and applied in planning, environmental management, disaster response, and infrastructure development. As Nepal embraces digital transformation, geospatial technology has become essential for evidence-based decision-making and innovation. In this context, the Survey Department, as the National Mapping Agency, remains committed to strengthening Nepal's geospatial foundation through modern land information systems, large-scale topographic mapping, and advanced technologies such as LiDAR, UAV, CORS, and digital geospatial platforms.

This Silver Jubilee Issue presents a rich collection of articles contributed by distinguished experts, researchers, and professionals. The papers featured in this edition reflect current developments and practical innovations in land surveying, GIS, remote sensing, spatial data management, land use planning, and emerging geospatial technologies. Together, these contributions reaffirm our shared commitment to scientific excellence, technological innovation, and sustainable development through geoinformatics.

On this special occasion, I extend my sincere gratitude to all who have contributed to the success and continuity of this journal over the past twenty-five years. I acknowledge the dedication of editors, editorial boards, authors, reviewers, readers, and well-wishers, whose collective support has shaped Journal on Geoinformatics Nepal into a valued academic and professional publication.

As we celebrate this occasion, we also look ahead with renewed commitment. I encourage researchers, professionals, and readers to continue contributing to this journal and to the wider growth of geoinformatics in Nepal and beyond.

Thank you for your continued support and invaluable contributions over these remarkable twenty-five years.

Enjoy Reading!

Thank you!

Prakash Joshi

Director General

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EDITORIAL



Dear Readers,

Welcome to the 25th Issue (Silver Jubilee Edition) of the Journal on Geoinformatics Nepal.

The publication of this twenty-fifth issue marks a significant milestone in the journey of the journal. Since its inception in 2002, the journal has served as a dedicated platform for scholarly exchange, technical insight, and professional dialogue in the field of geoinformatics. Over the past twenty-five years, it has steadily documented the growth of geospatial science and contributed to the advancement of knowledge, innovation, and practice in discipline.

This Silver Jubilee Edition celebrates both continuity and progress. Over the years, the journal has recorded the transformation of geoinformatics—from conventional surveying and cartography to digital mapping, remote sensing, GIS, and emerging geospatial technologies. As the National Mapping Agency, the Survey Department has remained closely engaged in this transformation through mapping, land information modernization, and the adoption of modern geospatial technologies. In this context, the journal continues to serve as an important platform for documenting progress and encouraging professional discourse.

This issue presents articles from professionals, researchers, and academicians covering digital land administration, GIS applications, remote sensing, land use planning, and related innovations. These contributions reflect the growing relevance of geoinformatics in supporting national development and addressing contemporary challenges.

We extend our sincere gratitude to all the advisory board members, authors, reviewers, editorial team members, and readers who have contributed to the continuity and credibility of this journal over the past twenty-five years. We also acknowledge the continued support of the Survey Department in sustaining this publication as a valued platform for knowledge sharing and professional engagement.

As we celebrate this milestone, we reaffirm our dedication to strengthening this journal as a space for research, collaboration, and innovation in geoinformatics. We invite our readers to engage with this special edition and continue contributing to the growth of geospatial knowledge in Nepal.

Warm regards,

Karuna K.C.
Editor-in Chief,
Jestha, 2083 (May 2026)

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