ISSN: 0019-4824

Indian Geographical Journal

Volume 96

December 2021

No.2



The Indian Geographical Society
Department of Geography
University of Madras
Guindy Campus
Chennai-600 025,India

EDITOR: K.KUMARASWAMY
ASSISTANT EDITOR: K.BALASUBRAMANI

Governing Council of the Indian Geographical Society

President: Prof. N. Sivagnanam

Vice Presidents: Dr. B. Hema Malini

Dr. Sulochana Shekhar Dr. Smita Bhutani Dr. Subhash Anand

Dr. Aravind Mulimani

General Secretary: Dr. R. Jaganathan

Joint Secretaries: Dr. R. Jagankumar

Dr. S. Sanjeevi Prasad

Dr. G. Geetha

Treasurer: Dr. G. Bhaskaran

Council Members: Prof. P.S. Tiwari

Dr. M. Sakthivel

Dr. V. Emayavaramban

Dr. B. Srinagesh

Dr. Dhanaraj Gownamani

Dr. B. Mahalingam Ms. S. Eswari

Member Nominated to the

Executive Committee from the Council: Prof. P.S. Tiwari

Editor: Prof. K. Kumaraswamy

Assistant Editor: Dr. K. Balasubramani

For details and downloads visit: www.igschennai.org | geography.unom.ac.in/igs

Information to Authors

The Indian Geographical Journal is published half-yearly in June and December by The Indian Geographical Society, Chennai. The peer reviewed journal invites manuscripts of original research on any geographical field providing information of importance to geography and related disciplines with an analytical approach. The manuscript should be submitted only through online submission form https://forms.gle/SLfL1wodtvLEVPcV8

The manuscript should be uploaded in Microsoft Word Document (.doc, .docx) as follows: 1) **Title Page**: Title of the Manuscript, Author Name and Address (complete postal address with contact details including phone and email ID) and acknowledgements (if any). 2) **Full-Length Manuscript**: The main text part should not contain author(s) name or identities. The main text can be divided into the sections viz. Title, Abstract, Keywords, Introduction (Background/Literature review), Study area, Methodology, Results, Discussion, Conclusion and References. 3) **Tables**: All tables should be consolidated in a single MS word document with proper captions and foot notes (if applicable). 4) **Figures**: All figures/graphs/charts/maps should be submitted in JPEG/PNG format within a single MS Word document. Each table and figure should have a concise caption describing accurately what the table/figure depicts. The tables and figures should be numbered in a sequence (Table 1, Table 2 etc. and Figure 1, Figure 2 etc.) and cited in the manuscript at appropriate places.

The title should be brief, specific and amenable to indexing. Not more than five keywords should be indicated separately; these should be chosen carefully and must not be phrases of several words. Abstract and summary should be limited to 100 words and convey the main points of the study, outline the results and conclusions and explain the significance of the results. Acknowledgements of people, grants, funds etc. should be placed in a separate section in the title page. The names of funding organisations should be written in full. The title page should also be accompanied with a letter stating that it has not been published or sent for publication to any other journal and that it will not be submitted elsewhere for publication.

Maps and charts should be submitted in the final or near-final form. The authors should however agree to revise the maps and charts for reproduction after the article is accepted for publication. If you include figures that have already been published elsewhere, you must obtain permission from the copyright owner(s) for both the print and online format. Please be aware that some publishers do not grant electronic rights for free and it is informed that IGS will not be able to refund any costs that may have occurred to receive these permissions.

References should be listed in alphabetical order as per MLA format. The list of references should only include works that are cited in the text and that have been published or accepted for publication. You may refer IGS website (http://igschennai.org/IGJ.php) for guidelines.

Authors of the research articles in the journal are responsible for the views expressed in them and for obtaining permission for copyright materials

The Indian Geographical Journal

Contents

Volume - 96	Issue No.2 (December, 2021)	Page No.
Utility of Gridded Population Datasets in Ag Administrative Geographies of India	ggregating Census Data for Non Lazar A. and Chandrayudu N.	1-19
Identification of Groundwater Vulnerable Information System (GIS) in Noyyal River Base - Madhumitha R., K		20-33
Sub-surface Water Quality Assessment u Bharuch Industrial Region, Gujarat, India - Soi	sing GIS Techniques in Surat-	34-48
Simulation of Urban Sprawl Using Geo-Spat Ca-Markov Chain Models - Harshali Patil, Kanika Pillai, S	tial Artificial Neural Networks and ivakumar V. and Shivaji G. Patil	49-64
Morphological Characteristics of Streams in Study of the Um-U-Lah Watershed, Cherrapu - Andy Lyngdoh T.		65-83

News and Notes