# Golombo Geographer

Volume 2, Issue II, December 2024 Department of Geography, Faculty of Arts, University of Colombo Sri Lanka

### Journal of Colombo Geographer, Volume 2, Issue II, 2024

The Journal of Colombo Geographer is an open-access, double blind, peer-reviewed journal published by the Department of Geography, University of Colombo. This journal is dedicated to publish research papers based on geographic approaches from any sub discipline of Geography (human geography, physical geography, and geoinformatics) addressing environmental and human problems with a spatial dimension. The Colombo Geographer welcomes high quality, original submissions of research and review manuscripts.

The editors of the Colombo Geographer wish to inform that they are not responsible for any inaccuracy or lack of correctness regarding the data/maps/figures/views presented in the articles and that the responsibility solely lies with respective author/s.

Copyright @ 2024, Department of Geography, University of Colombo, Sri Lanka.

ISSN 3021-6478 (Print) ISSN 3030-7244 (Online)

**Publication Frequency** Bi-annual

### Published by

Department of Geography Faculty of Arts University of Colombo Colombo 07, Sri Lanka. Voice: +94 11 2500458 Web: <u>https://arts.cmb.ac.lk/geographer/</u> Email: <u>colombogeographer@geo.cmb.ac.lk</u>

### Printed by

University of Colombo Press Prof. Stanley Wijesundara Mawatha, Colombo 07, Sri Lanka. Voice: +94 11 2590086 Fax: +94 11 2590087 Email: press@cmb.ac.lk

# **Editor in Chief**

Dr. V.P.I.S. Wijeratne, Department of Geography, Faculty of Arts, University of Colombo

# Editors

Professor Fareena Ruzaik, Department of Geography, Faculty of Arts, University of Colombo

Dr. Omala Perera, Department of Geography, Faculty of Arts, University of Colombo

# **Copy Editor**

Dilinie Gunarathne, Department of English Language Teaching, Faculty of Arts, University of Colombo

# **Advisory Board**

Senior Professor (Chair- Business Economics) H.D. Karunaratna, Vice-Chancellor, University of Colombo, Sri Lanka.

Senior Professor (Chair-Geography) Lasantha Manawadu, Dean, Faculty of Arts, University of Colombo

Professor Yangmi Koo, Department of Geography, College of Social Sciences, Seoul National University, South Korea.

Professor K. A. P. Siddisena, Department of Demography, Faculty of Arts, University of Colombo

Professor Nishara Fernado, Department of Sociology, Faculty of Arts, University of Colombo

Professor Rekha Nianthi, Department of Geography, Faculty of Arts, University of Peradeniya

### **List of Reviewers**

Professor R. M. K. Ratnayake, Department of Geography, University of Sri Jayawardenapura, Sri Lanka.

Prof. Nisan Sakalasooriya, Department of Geography, University of Kelaniya, Sri Lanka.

Prof. Devaka K Weerakoon, Department of Zoology and Environment Sciences, University of Colombo

Professor Gang Li, College of Urban and Environmental Sciences, Northwest University, PR China.

Prof. Chandani Liyanage, Department of Sociology, Faculty of Arts, University of Colombo, Sri Lanka.

Prof. W. N. Wilson, Department of Geography, University of Colombo, Sri Lanka.

Prof. S.L.J. Fernando, Department of Geography, University of Ruhuna, Sri Lanka.

Prof. Y.A. Karunarathne, Department of Geography, University of Colombo, Sri Lanka.

Dr. Yang Li, College of Environment and Planning, Henan University, Kaifeng 475004, PR China.

Dr. Muhammad Sajid Mohomad, College of Geography and Environmental Science, Henan University, Kaifeng 475004, PR China

Dr. R.M.K.Kumarihamy, Department of Geography, University of Peradeniya, Sri Lanka

iv

Dr. Arularasi Balakrishnan, Department of Geography, University of Peradeniya, Sri Lanka

Dr. K.D.P.P. Jayasinghe, Department of Geography, University of Sri Jayawardenapura, Sri Lanka

Dr. C.M.K.N.K. Chandarsekara, Department of Geography, University of Colombo, Sri Lanka

Dr. Devanmini Halwatura, Department of Zoology and Environment Sciences, University of Colombo

Dr. E. M. S. Ranasinghe, Department of Geography, University of Colombo, Sri Lanka

Mr. M. D. A. Nandana, Freelancer Researcher & Visiting Lecturer, University of Sri Jayawardenapura, Sri Lanka.

Mr. H.D.S. Premasiri, National Building Research Organisation, Colombo 05, Sri Lanka

# Journal of Colombo Geographer

# Volume 2, Issue II, 2024

### List of Contents

A Geospatial Exploration of Surface Urban Heat Dynamics and Predictive Modeling in Kandy Municipal Council Using GIS and RS Techniques L.A. Ranasinghe, K.M.K.P. Konara and M. Jayarathne.....01-25 Assessing PM<sub>10</sub> Transmission Changes under Different Lockdown Phases. A Case Study of the City of Colombo Assessing the State and Livelihood Opportunities Towards Sustainable and Ecosystem-Based Approaches: Insight from Keter Beel Area of Southern Bangladesh Sadhon Chandra Swarnokar, Md. Junnur Ahamed, Abdullah-Al-Masud, Md. Mujibor...49-70 Change Detection of Vegetation Cover Using NDVI: A Case of Harispattuwa Divisional Secretariat Division in Kandy District A Study of Public Health Impacts during Road Construction Projects in Sri Lanka: A Glance from Experts' Opinion U.T.G Perera, Richard Haigh and Dilanthi Amaratunga ......88-108 Leveraging Geospatial Technologies for Sustainable Tourism Development in Galle District, Sri Lanka. J. Nayanajith, A.W.G.N.M. Abeyrathna and Pavithra Jayasinghe......109-142