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Corresponding Author: Shibu Jose (University of Missouri, Columbia, MO 65211, USA.)

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Corresponding Author: Wendy Francesconi (International Center for Tropical Agriculture, Brazil.)

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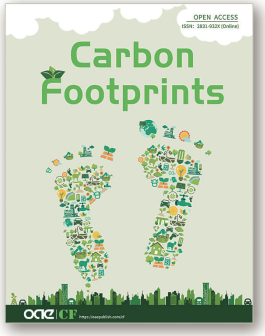

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Journal Introduction

Carbon Footprints (*CF*) is an international peer-reviewed, gold open-access journal dedicated to publishing all aspects of the knowledge on the emissions of not only all greenhouse gases (CO_2, CH_4, N_2O, *etc.*) but also low-carbon energy transformation and air pollutants, climate change during a given period produced directly or indirectly to support human activities. The journal is founded by OAE Publishing Inc. and the inaugural issue was published on December 2022. Since January 2023, Professor Yong Geng, Dean of the School of Environmental Science and Engineering from Shanghai Jiao Tong University serves as the Editor-in-Chief of *CF*.

Aims&Scope

The journal aims to advance the understanding of the extent of the carbon, energy, and air pollutants footprint associated with various human activities, the patterns, and processes governing it, technologies of carbon capture, utilization, and storage, the nature of interactions between carbon, energy and air pollutants footprint and other factors that influence the ecosystem, urban system, industrial system services. Based on a broad academic background, the journal scope is divided into four major sectors below: **Ecosystems, Urban Systems, Industrial Systems, Environmental, and Resource Economics.**

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Yong Geng

Chair Professor on Circular Economy and Industrial Ecology and also the dean at the School of Environmental Science and Engineering, Shanghai Jiao Tong University, China. His main research field covers industrial ecology, environmental management, climate change, carbon emission accounting, and sustainable development.

He has published over 390 peer-reviewed papers in international journals such as Science, Nature, Nature Climate Change, Nature Communications, Science Advances, One Earth, Global Environmental Change, Water Research, Environmental Science & Technology, *etc.*

In 2013, he received the National Science Fund for Distinguished Young Scholars from the Natural Science Foundation of China (NSFC). He is a Cheung Kong Scholar Chair Professor of the Ministry of Education. He is also serving in various organizations and scientific communities, such as a lead author in IPCC AR-5 and AR-6, a reviewer for many international journals, an expert in UN organizations (UNEP, UNIDO, UNU, UNCRD), and a consultant for Chinese local governments. He has been one of Clarivate's global most highly cited researchers since 2019.

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Department of Environmental Management, Peking University, Beijing, China.
His research focuses on green & low-carbon transformation and human & planetary health at the local, national, and global scales. By developing and applying the state-of-the-art IMED model, key questions are explored on the mitigation costs of achieving ambitious climate targets and their co-benefits on improvements in air pollution, human health, and resource efficiency.

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Dr. Dong obtained his B.E. in Environmental engineering from Tsinghua University, China, and Ph.D. in Urban Environmental Studies from Nagoya University, Japan. Before joining City University, he worked in National Institute for Environmental Studies, Japan, and Institute of Environmental Sciences (CML), Leiden University, Netherlands, in the field of industrial ecology, circular economy and low-carbon & eco-city planning. His research focuses on applying principles of Industrial Ecology to fight to the challenges of developing sustainable, smart and low-carbon cities, with emphasis on the sustainability science & policies, environmental system analysis, and policies design under the theme of urban sustainability.

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He is currently the head of the System Innovation Section at NIES. He is also a visiting professor at the Graduate School of Environmental Studies, Nagoya University, and a visiting professor at the Graduate School of Frontier Sciences, the University of Tokyo. His areas of expertise are waste management, energy, and a carbon-neutral society. He also serves as chairman of the Council for Advanced Resource Circulation and Digitalization and chairman of the Information and Communication Technologies Research Group of the Japan Society of Material Cycles and Waste Management.

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His research interests cover the resource and environmental implications of transport electrification, lithium-ion battery supply chain sustainability, and techno-economic assessment of emerging transport technologies. He received the Excellent Young Scientists Fund from the National Natural Science Foundation of China and was recognized as the Most Cited Chinese Researcher by Elsevier from 2020-2022.

Beijia Huang

College of Environment and Architecture, University of Shanghai for Science and Technology, Shanghai, China.
She was honored as Shanghai Pujiang Talent and Eastern Scholar in 2020. She has two years of visiting experience in Yale University and the University of Tokyo from 2018 to 2020. Her key research interests include environmental assessment and management, life cycle thinking, regional sustainable development planning, *etc.*

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Research Center for Resource and Environmental Management, School of Public Policy and Administration, Xi'an Jiaotong University, Xi'an, Shaanxi, China.
He is the Professor at the School of Public Policy and Administration, and the Associate Director at the Research Center for Resource and Environmental Management at the Xi'an Jiaotong University, China; Adjunct Professor at the School for Resource and Environmental Studies, at Dalhousie University, Canada. In the past few years, he received a couple of awards internationally and domestically for his scientific achievement.

Zhu Liu

Department of the Earth System Science, Tsinghua University, Beijing, China.
He initiated and led the Carbon Monitor project that provides first ever global daily CO_2 emission dataset. He takes integrated approach to assess the human impacts on the earth system in terms of greenhouse gas emissions (Nature 2015, Nature 2019). He has pioneered the study on anthropogenic carbon sink, the phenomenon and measurement that artifacts can uptake CO_2 from atmosphere (Nature Geoscience 2016). His broad research interests also crosses the Life-environment interrelationship in Early-life evolution (Chinese Science Bulletin, 2007), astrobiology and the science and policy toward advancing the human sustainability. He earned the designation of Global Highly Cited Researcher from Clarivate for 2018, 2019 and 2022, and Highly Cited Chinese Researchers from Elsevier in 2022.

Zhuang Miao

School of economics, Southwestern University of Finance and Economics, Chengdu, Sichuan, China.
His researches focus on applied economics, such as energy and environmental economics and urban (rural) environmental governance, as well as non-parametric approaches. He has published more than fifty papers in outlets such as IEEE Transactions on Engineering Management, Environmental & Resource Economics among others.
He has been selected as a member of Sichuan Tianfu Emei Program, and has conducted many projects, including 2 projects of the National Natural Science Foundation of China.

Jingzheng Ren

Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong, China.
He has been selected as the only winner of the 2022 Asia-Pacific Economic Cooperation (APEC) Science Prize for Innovation, Research and Education (ASPIRE Prize), in recognition of his scientific contribution commitment to excellence in "Innovation to achieve economic, environmental, and social goals" and Bio-Circular-Green Economy. He has specialized in developing innovative industrial processes, decision-making tools and optimization models based on systems thinking to achieve sustainable and carbon-neutral industrial systems for promoting sustainability transition.

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His main research field covers climate policy, carbon emission accounting, and energy policy. He has published over 80 peer-reviewed papers in international journals such as Nature Sustainability, One Earth, iScience, Fundamental Research, Environmental Science & Technology, *etc.* He has led several research projects, including the National Natural Science Foundation of China.

Jeffrey Wilson

Sustainability Business and Economic Development and Innovation at the University of Waterloo, School of Environment, Enterprise & Development, Waterloo, Canada.
He is a leading Canadian expert in sustainability management working at the interface of economic and environmental research and policy. He is a member of the University of Waterloo Institute for Sustainable Energy, member of the Interdisciplinary Center on Climate Change and an Affiliate of the Canadian Index of Wellbeing. In addition, he is an assistant director of the Economic Development Association of Canada. Prior to joining the University of Waterloo in 2019, Dr. Wilson operated a boutique consulting firm for over 18 years working with industry and all levels of government specializing in sustainability strategy and reporting, natural capital accounting, and sustainable community development.

Xianlai Zeng

Xianlai Zeng
School of Environment at Tsinghua University, China.
His main research field covers anthropogenic circularity, metal sustainability, waste management, and circular economy. Dr. Zeng was also the Fulbright visiting scholar (2018-2019), the chief technical advisor of Basel Convention Regional Centre for Asia and the Pacific, UNEP, and Deputy Secretary-General, Circular Economy Branch of Chinese Society for Environmental Sciences in China. He ever worked as technical advisor of United Nations Development Programme (2015), visiting staff of Coventry University

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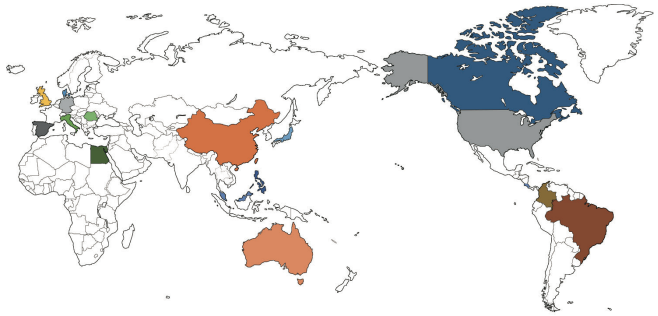

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