

GEOGRAPHICAL REPORTS

OF TOKYO METROPOLITAN UNIVERSITY

Number 57 2022

Special Issue in Honor of Professor Makiko Watanabe

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Professor Makiko Watanabe

Preface

This volume is edited in honor of Professor Makiko Watanabe on her retirement from Tokyo Metropolitan University in March 2022.

Professor Makiko Watanabe was born on July 9, 1956, in Tokyo. She graduated from the Department of Geography, Ochanomizu University in 1979. She studied in master course and doctoral course in Ochanomizu University and received her PhD degree from Ochanomizu University in 1989. She started her academic career as assistant professor in Department of Geography, Ochanomizu University in 1983 and worked as lecturer and Associate Professor at Chuo Gakuin University from 1990 to 1995. Then she was assigned as Associate Professor at Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology in 1995 and served as Professor at Department of Environmental Science and Technology, Tokyo Institute of Technology from 2002-2008. Then after, she was appointed as Professor at Department of Geography, Tokyo Metropolitan University in 2008.

As a soil scientist and geographer, she enjoyed research with a broad view of understanding time and space of natural environment based on abundant experiences in field surveys over the world, including comparative humus studies in loess paleosols and forest soils, Germany (1997-2008), long term projects on environmental rehabilitation in Central Luzon, the Philippines (1995-2019), geoarchaeological studies in rescue project for archeological ruins in the Western desert, Egypt (2003-2017), environment assessment projects of mining risks in Mongolia (2004-2020), and geo-ecological studies of alluvial fan deposits in the Canadian Prairies (2010-2021). Her research achievements are specialized in circulation of soil substances, and geo-ecosphere system in regional environment by providing basic knowledge of potentiality and limitation of homeostasis in terrestrial earth and feasible strategies for its sustainable development with an extension view upon urban soils in historical parks in Tokyo Metropolis. She published over 150 research papers in fields of soil science, quaternary research, physical geography. The soil science series book that she edited in 2021 has become the first book in the world dealing with fungal sclerotia grains in soil.

Her activity covers wide ranges of social activities. She served as Program Officer of Japan Society of the Promotion of Science from 2009 to 2011, Member of Science of Council of Japan from 2006 to 2014, Member of National Research and Development Agency Council of the Ministry of Agriculture Forestry and Fishery from 2015, Board member of Eco-Top Program, Tokyo Metropolitan Government from 2021. She also promoted her academic activities in overseas as visiting scholar in St. Catherine College, Godwin Laboratory, University of Cambridge in 1998, visiting professor at Dept. of Historical Ecology, Krasnoyarsk State University in 2000 and visiting professor at Dept. of Geography and Environmental Studies, University of Regina in 2016.

Professor Watanabe examined 13 doctoral theses as an examiner in chief and mentored countless pos-doc fellows and students. Finally, we wish Professor M. Watanabe's long continuous years of research and social activities with good health.

March 15, 2022

Masayuki Kawahigashi
Editor in Chief

Yoshiki Wakabayashi
Chair of the Department of Geography

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(*:In Japanese with English abstract)

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