



REGIONAL CENTRE OF ADVANCED TECHNOLOGIES AND MATERIALS LECTURES

Monday, December 12, 2:00 pm
RCPTM seminar room (No. 314), Šlechtitelů 27, Olomouc



Professor Jia-Qian Jiang

Glasgow Caledonian
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Water and Water Technology

Prof Jiang has worked at various universities since 1982 and been active in the research and teaching in the field of water and environmental science and engineering. As a principal investigator/PhD supervisor, he has led and managed his research team, which comprises of a number of PhD students, research assistants and international academic visitors to conduct and deliver a number of research projects, which have been sponsored by the UK research council and government, UK/international industries, British Council and overseas funding organisations. Accomplishments include several granted international/UK patents and over 160 publications in the top peer-reviewed journals, book chapters and conference proceedings. His research has impact in the scientific community with h-index of 33 and 34, respectively, from Thomson Reuters Web of Science and Elsevier Scopus. Prof Jiang is a Chartered Engineer and a Fellow of the Chartered Institution of Water and Environmental Management. He is a member of the UK EPSRC Peer Review College; a programme committee member and an invited keynote/plenary speaker at a number of international conferences; an associate editor of the Journal of Global Environmental Science and Technology and an invited referee of more than 30 top journals in his research area, including Environ. Sci. Technol. and Water Res.

ABSTRACT: Water is essential for life and economic growth and therefore is a vital resource for everyone in the world. A range of factors are producing water stress problems world widely including, limited consumable water resources, increasing global population, climate change, urbanization, and water pollution. As well as sustainable water management protocol, the development of favourable technologies for purifying water and water reuse is essential to solve long term water supply shortages. This talk will brief parts of physicochemical techniques for water and waste water treatment in the areas of developing water treatment chemicals, design and optimisation of water treatment unit processes, nutrients recovery from waste water, and degradation of emerging micro pollutants.