

Preface

The 2020 2nd International Conference on Geoscience and Environmental Chemistry (ICGEC 2020) was successfully held in Tianjin, China on Oct. 9-11, 2020. ICGEC 2020 was hosted by Tianjin University of Science & Technology, organized by AEIC Academic Exchange Information Center, Co-organized by Environmental Sciences Society of Tianjin. The theme of this conference was “Ocean-Coastal Ecology and Environment”.

A healthy oceanic and coastal environment are essential for sustainable development of the human society. The oceans have benefited human beings in countless ways; nevertheless, coastal areas and oceans around the world are facing severe challenges. Scientific efforts to properly develop ocean resources, decelerate climate changes and address the problem of plastic wastes in oceans have played a significant role in improving the ocean ecology. When developing marine resources, governments need to consult professionals and experts to avoid negative impact on the ocean ecology. Governments around the world are doubling their efforts to reduce the impact of problems like climate change, overfishing and pollution on the marine and coastal ecology.

The conference model was divided into two sessions, including oral presentations and keynote speeches. In the first part, some scholars, whose submissions were selected as the excellent papers, were given 15 minutes to perform their oral presentations one by one. Then in the second part, keynote speakers were each allocated 30-45 minutes to hold their speeches.

In this conference, we were greatly honored to have three distinguished experts to serve as our Chairman of Academic Committee. There were over 60 experts and scholars in the area of Geoscience and Environmental Chemistry representing different famous universities and institutes around the globe to form our organizing committee and technology program committee. During the conference, we were pleased to invite six distinguished experts to present their insightful speeches. They were Jun Sun, from Specially-appointed Professor(Changjiang Scholars of the Ministry of Education), Director, College of Marine and Environmental Sciences, Tianjin University of Science & Technology / Tianjin Key Laboratory of Marine Resources and Chemistry; Guangce Wang, Research Fellow, Institute of Oceanology of the Chinese Academy of Sciences; Ke Hu, Professor, School of Ocean Sciences, China University of Geosciences (Beijing); Xueqiang Lu, Professor, College of Environmental Science and Engineering, Nankai University; Hui Su, Senior Engineer, Cnooc Energy Development Green Sea Environmental Protection Service Co. LTD; Shaosheng Lv, Professor, Tianjin Geographical Society. Their insightful speeches had triggered heated discussion. Every participant praised this conference for disseminating useful and insightful knowledge.

The participants of the conference were from most part of the world, with background of either academia or industry, even well-known enterprise. The success and prosperity of the conference is reflected high level of the papers received. The proceedings are a compilation of the accepted papers and represent an interesting outcome of the conference. This book covers 7 chapters: 1. Geophysics & Geochemistry; 2. Environmental Chemistry; 3. Geography & Geology; 4. Hydrology & Ocean Science; 5. Geodesy & Cartography; 6. Atmospheric Sciences; 7. Earth Science History.

We would like to acknowledge all of those who supported ICGEC 2020. Each individual and institutional help were very important for the success of this conference. Especially we would like to thank the organizing committee for their valuable advices in the organization and helpful peer review of the papers. We sincerely hope that ICGEC 2020 will be a forum for excellent discussions that will put forward new ideas and promote collaborative researches. We are sure that the proceedings will serve as an important research source of references and the knowledge, which will lead to not only scientific and engineering progress but also other new products and processes.

The Organizing Committee of ICGEC 2020

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Prof. Xianbin Liu, Tianjin University of Science & Technology, China

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