

Special Session 5 :

Plastic Circular Economy and Global Plastic Treaty

**Organized by the Korea Society of Waste Management (KSWM)
& Solving Plastic Waste CRC (Australia)**

Plastic circular economy has become an international agenda because plastic pollution is widely occurring around the world, especially in Asian countries. As a result, international community is trying to find sustainable solutions to end the pollution. UN international community agreed to prepare international treaty on plastic by the end of 2024 to combat plastic pollution and problems. There is an urgent need for developing plastic circulation strategy and implementation towards a circular economy in many countries.

The aim of this special session is to promote the academic knowledge exchange in the field of plastic circular economy in response to global plastic treaty. Thus, we sincerely wish all participants and audiences to share would share their knowledge and experiences among international experts and professionals to promote mutual understandings in these areas through this session.

The 10th 3RINCs in 2024 would like to invite all of you in Asia, Europe, America, Oceania, and Africa to explore and strengthen the network among academic and field professionals in plastic circular economy along with the progress of global plastic treaty as well as the world's concerns on the plastic waste management.

Program

Chair: Prof. Jae Hac Ko, Jeju National University, Vice President & Chair of International Affairs of KSWM, Korea

Prof. Hao Wang, University of Southern Queensland, Australia

1. Speaker 1: Prof. Yong-Chul Jang, Chungnam National University
"Assessment and Directions of Plastic Circularity towards a Global Treaty to End Plastic Pollution"
2. Speaker 2: Prof. Toshiaki Yoshioka, Tohoku University, Japan
"Research Project on the system development of plastics for sustainable resource circulation and control of leakage into the ocean"
3. Speaker 3: Dr Deborah Lau, Commonwealth Scientific and Industrial Research Organization, Australia
"Turning the Tide on Plastic: CSIRO's Mission for Ending Plastic Waste"
4. Speaker 4: Prof. Damien Giurco, University of Technology Sydney, Australia
"Collaboration to advance a Circular Economy for Plastics in Australia and the Region"
5. Speaker 5: Prof Long Yu, South China University of Technology
"Development of Starch-based Plastics"

Followed by QA session.