

Guest editorial: Environmental science and sustainable energy: colorants and coatings



The Environmental Science and Sustainable Energy is an important issue in the global community that affects human life. Reducing global pollution and the rising temperature caused by fossil fuel consumption is not a trivial. This issue and solving the earth problem should be the first choice of every human being, because it is the only house in the global for us.

The paint, colorants and coatings industry is one of the industries that pollute the environment, and attention and research are very important to reduce pollutants in this field. This special issue will present the results of research on reducing environmental pollution. These results will include important items that include: new green materials, new procedure, green materials for preparation of green energy, methods of reducing environmental pollution, etc. All of these items can be used for industries if invested. Indicative list of themes and key features of the special issue as: environmental science; environmental engineering, sustainable energy; environmentally-friendly coloration, etc.

Despite our inner desire to meet top experts in person from the academic and industrial societies at the 8th International Color and Coating Congress (ICCC), the COVID-19 pandemic forced us to settle for a virtual meeting. This is the 8th congress, and for the first time in its history since 2005, the congress was being held online.

The ICCC2021 virtual Congress was held on October 13 and 14, 2021, at Institute for Color Science and Technology, Tehran, Iran. The organization of ICCC2021 was shared between the Institute for Color Science and Technology, the Iran color society and the faculty of Polymer at Amirkabir University.

Two symposiums of “Sym. A: Color and Colorants” and “Sym. B: Surface Coatings and Corrosion” were organized in the firm ICCC2021. ICCC2021 provided a platform for all experts from

academia and industry to discuss their latest hot research and achievements. Attendees heard world-class speakers discussing the challenges and opportunities facing Environmental Science and Sustainable Energy: Colorants and Coatings fields.

In this congress, we were honored to host numerous international scientists in color and coating (11 keynote lecturers, 37 invited speakers, and 20 regular talks from 5 continents and 17 countries) to present their latest research activities. 140 poster contributions from over 300 participants were presented during the congress.

Symposium A: Environmental Science and Sustainable Energy: Colorants and Coatings covered the following areas:

- Pigment and glaze technology;
- Colorants and coloration technology;
- Printing technology and digital printing; and
- Environmental science and sustainable energy.

Special issue: ICCC2021- environmental science and sustainable energy: colorants and coatings

After closing the conference, top research and review papers (including those presented by key lecturers and invited speakers) were selected and invited to contribute to the VSI: ICCC2021- Environmental Science and Sustainable Energy: Colorants and Coatings. The Editor-in-Chief, Prof Long Lin, was the overseeing editor. Prof Zahra Ranjbar (Congress President), Prof Kamaladin Gharanjig (Scientific committee) and Dr Mozghan Hosseinneshad (Environmental Science and Sustainable Energy: Colorants and Coatings, Symposium chief) were the guest editors. Overall, from 118 submitted paper in the conference 14 papers were selected and submitted to the journal, and 09 papers were finally accepted for publication after the peer-reviewing process.



Zahra Ranjbar

Department of Surface Coatings and Corrosion, Institute for Color Science and Technology, Tehran, Iran, and

Mozghan Hosseinneshad and Kamaladin Gharanjig
Department of Organic Colorants, Institute for Color Science and Technology, Tehran, Iran

The current issue and full text archive of this journal is available on Emerald Insight at: <https://www.emerald.com/insight/0369-9420.htm>



Pigment & Resin Technology
52/3 (2023) 301
© Emerald Publishing Limited [ISSN 0369-9420]
[DOI 10.1108/PRT-05-2023-153]