

Trends in Sustainable Food Packaging and Coatings

Guest Editors:

Dr. Swarna Jaiswal

School of Food Science and
Environmental Health, College of
Sciences and Health,
Technological University Dublin –
City Campus, Grangegorman,
D07ADY7 Dublin, Ireland

Dr. Amit K. Jaiswal

1. Sustainable Packaging and
Bioproducts Research (SPBR)
Group, School of Food Science
and Environmental Health,
Faculty of Sciences and Health,
Technological University Dublin,
City Campus, Grangegorman,
D07 ADY7 Dublin, Ireland
2. Environmental Sustainability
and Health Institute,
Technological University Dublin,
City Campus, Grangegorman,
D07 H6K8 Dublin, Ireland

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

Packaging contributes to the preservation of food quality during transportation and storage while simultaneously eliminating the possible risks of the chemical contamination of food products and food-borne illnesses associated with the safety of food. Food coatings limit the contact of food with the environment, alter the functional properties of foods, and promote the control of food's surface moisture. Currently, the food industry mainly relies upon non-biodegradable and fossil-derived synthetic plastic materials for food packaging. A significant amount of research has been conducted and is in progress to reduce these environmental impacts, such as the development of innovative, sustainable materials and technologies for improved food packaging and coatings.

Recent progress in novel packaging, including active, intelligent, biodegradable, recyclable, or reusable packaging research;

Advances in edible coatings for fresh produce;

Novel technologies for the surface modification of biodegradable polymers applied to food packaging;

Miscellaneous relevant to sustainable packaging and coatings.



Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI