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Corrosion and Materials Degradation

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Message from the Editor-in-Chief

Corrosion and Materials Degradation has the core objective of providing a new platform for dissemination of disruptive and novel approaches to corrosion mitigation for commercially-attractive exploitation, while also promoting the cutting-edge advancements of the traditional approaches of the discipline. First two issues of the new journal were mostly the compilations of topmost class reviews that were accomplished upon invitation to the leading corrosion researchers and technologists.

Corrosion, one of the most common forms of materials degradation, poses enormous challenges across industries, and can even impact our health (for example degradation of artificial hip or knee implants due to corrosive body fluid and wear, necessitating their premature replacement). Corrosion is also invariably a concern for infrastructure (buildings, roads, and bridges).

Editor-in-Chief
Prof. Dr. Raman Singh

Aims

Corrosion and Materials Degradation is an international, peer-reviewed open access journal, which aims to focus on corrosion, and science and technology of its mitigation.

Scope

- Salient Features of Fundamentals of Corrosion
- Electrochemistry of Corroding Interfaces
- Non-destructive Evaluation of Corrosion
- Corrosion of Body Implants
- Role of Nano- and Microstructure in Corrosion
- Corrosion-assisted Cracking
- Corrosion and Corrosion-assisted Fracture of Aerospace Structures
- Corrosion of Renewable/Modern Energy Systems
- Corrosion of Traditional Energy Systems
- Corrosion of Nuclear Energy Systems
- Corrosion of Light Metals and Alloys
- Corrosion of Weldments
- Corrosion in Petroleum, Oil and Gas Systems
- Corrosion in Water Systems
- Corrosion Prevention and Mitigation
- Corrosion-Barrier Coatings
- Corrosion Modeling and Simulation
- Corrosion of Steel in Concrete
- Corrosion of Metals in Porous Media
- Corrosion of Additively Manufactured Materials
- Degradation of Polymers and Ceramics

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