

Tentative Outline

Thematic Issue for Industry Frontier, Policy & Regulatory Issues, and Recent Patents on Materials and Related Sciences

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Aims & Scope: With the advancement and evolution of industry frontier research and development (IFRD), and science, engineering and technology (SET), extensive and increasing kinds of policies, laws, regulations, ordinances, codes and standards (PLROCS) need to be settled on or revised, based on best available science, engineering and technology (BAS/BAE/BAT), among others. Consequently, development and expansion of industry frontier and its constituents such as BAS, BAE, BAT and patents tend to be impacted by and/or reflect state of the art SET and PLROCS to various degrees.

The aims of this thematic issue are to present and/or discuss on a variety of patents and related issues, associated with regulatory science and engineering (RS/RE), via publication, for subtopics such as safety, functional and environmental issues of materials, nuclear power plants, mining, and offshore oil and gas drilling structures, electronic, aeronautics & aerospace, defense, high speed train and magnetic levitation systems, food and drugs, biomedical science and technology, in addition to the subtopics listed below. Case studies for quantification and assessment of vulnerability, uncertainty and probability (VUP) issues among others in RS, RE and specific patents are also considered for publication.

Key words: Industry Frontier, Regulatory Science, Regulatory Engineering, Policy, Metal, Composites, Plastics, Biomaterial, Energy, Environment, Electrochemistry, Water Treatment

Subtopics:

- Metals, Ceramic, Plastics, Composite and Bio-Materials, among Others
- Science, Engineering and Technology Policies/Regulations for Low Carbon Society
- Global Environmental Protection Measures such as Recycling of Used Energy and Natural Resources, and Carbon Capture, Utilization and Storage, among others
- Artificial Light Synthesis Science and Technology, and Its Application
- Electrochemical Reactor and Oxidization Process
- Water Treatment Technology
- Role of nanotechnology in biomedical science, engineering and technology
- Others

Schedule:

Manuscript submission deadline: **30 June 2018**

Peer Review Due: **31 July 2018**

Revision Due: **15 August 2018**

Notification of acceptance by the Guest Editor: **31 August 2018**

Final manuscripts due: **15 September 2020**