

Preface

Nowadays trend in application of eco policy, more strict legislative and globalisation in economy together with research and development in emerging technologies such as nanotechnology bringing also new corrosion challenges into the power industry sector. New alloys and composite materials, eco-friendly energy systems, effective monitoring techniques and sophisticated prediction methods contribute on safer and more reliable operation of energy units. All up-mentioned circumstances required interdisciplinary approach to build perspective solutions with aim to minimize degradation process of components made from different materials used in power industry. In this special issue you can find papers dealing with application of nanotechnologies, corrosion monitoring techniques, materials characterisation but also several case studies from corrosion failures in power industry. All these information contribute on expansion of knowledge database, which is highly sufficient in the area with main aim to prevent against corrosion failures.

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