

## Special Issue

# Evaluation and Optimization of Corrosion Performance of Reinforced Concrete

### Message from the Guest Editor

Corrosion of steel reinforcement is one of the main causes of deterioration of reinforced concrete structures around the world. In the Gulf Region, corrosion of reinforcement is a very serious threat to RC structures due to the severe conditions of marine environments and high temperature. Research has been in progress for several decades to address this corrosion and improve the sustainability of RC structures. However, past research has not been able to find an ultimate solution to the problem of corrosion of steel bars in concrete. This issue still remains a vital area of research and a major point of concern at present.

This Special Issue will focus on the investigation of corrosion for steel-reinforced concrete including modeling, experimentation, corrosion processes, mechanisms, theories involved therein, methods and materials. It will also focus on the development of corrosion inhibitors, rust converters, coatings, films, passive layers, additives, etc. All researchers and investigators from any country are welcomed to contribute their original research, a review, or an article to this Special Issue.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 July 2022)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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