# Special Issue

# Analytical (Chem and Bio)sensors Based on EIS Measurements

### Message from the Guest Editor

Electrochemical impedance spectroscopy (EIS) has been recognized as a method of overall characterization of electrode processes, faradaic and non-faradaic, providing broad time scale measurement. Research and development in analytical sensors area, focused on electrode materials, solvents and samples, usually take the advantage in the EIS examination. However, EIS with numerous data processing possibilities and/or data formats often can deliver superior observables for analytical purposes over dc currents recorded in amperometry/voltammetry, including square wave voltammetry and pulse voltammetry. This planned Special Issue of *Chemosensors* is intended to cover both aspects of EIS applications in analytical (chem and bio) sensors studies as a characterization tool and a method of analysis.

- models of electrochemical ac impedance
- EIS data formats
- faradaic and non-faradaic ac impedance measurements
- impedance, admittance, capacitance, modulus, electric permittivity
- EIS observables of analytical importance
- EIS applications for characterization of analytical sensors
- EIS applications providing new observables for analytical sensors
- chemical sensors
- biosensors

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2021)

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*Chemosensors* continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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