



(Di)electrical and Catalytic Functionality in Advanced (Bio)materials: Synthesis and Structure–Properties Investigation

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Message from the Guest Editors

We invite you to contribute to this Special Issue of MDPI's *International Journal of Molecular Science*, named “(Di)electrical and Catalytic Functionality in Advanced (Bio)materials: Synthesis and Structure–Properties Investigation”. This Special Issue welcomes novel manuscripts dealing with previously unpublished advances in the following areas:

1. Design of novel advanced (bio)-based materials/systems followed by their optimized preparation techniques (e.g., using green methods along with post-processing);
2. Use of conventional and advanced characterization techniques (alone or in combination) and monitoring (in situ/operando) of (micro)structural characteristics under steady or variable conditions (frequency, temperature, atmosphere, substrate etc.) that have a significant influence on the final properties (thermal, (di)electrical, catalytic, mechanochemical, and other (in)directly influenced by structural modifications and compositions) and structure–properties correlations;
3. Application and compatibility studies: implementation of prepared advanced (bio)materials in target application areas (e.g., catalysis, sensors, battery components, etc.)





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Message from the Editor-in-Chief

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