



## Advances in Magnetic Coordination Polymers

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editor

Dear Colleagues,

The intent of this Special Issue is to provide an invaluable platform for experimentalists and theorists, veteran and new, to publish recent highlights pertaining to magnetic phenomena in 1D, 2D, and 3D coordination polymers. We are particularly seeking high-quality articles devoted to the description of cooperative phenomena in such materials, including but not limited to:

- Ferro-, ferri-, and antiferromagnetism;
- Novel magnetic ground states;
- Quantum magnetism and phase diagrams;
- Fan, helical or toroidal magnetic order;
- Effect of chemical doping on magnetism;
- Pressure-induced phase transitions;
- Electric and/or magnetic field-induced phase transitions;
- Spin crossover and spin trapping;
- Photomagnetism including photoswitching and photomagnetic effect;
- Solvato magnetic effect;
- Charge- and spin-density studies of exchange mechanisms;
- Characterization of cooperative phase transitions in coordination polymers;
- Density-functional and density-matrix renormalization group theory;
- Potential applications including quantum computing, data storage, spintronics, etc.

