**[Mathematics]:** (IF: 2.258, Q1 red zone, ISSN 2227-7390) ISI WoS, Scopus

**Special Issue:** Dynamic Modeling and Simulation for Control Systems

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**Edition and indexing one paper:** 1600 CHF (some cases with 10% less)

Mathematics/ is a semi-monthly journal.The special issue, they will be published and indexed in the Q1 red zone with impact factor; The publications will be released every half month. After Issue of the accepted papers is released, it will take about 8 weeks to be included in WoS or Scopus.

**Topics for special issue:**

* 1. Design of physical engineering systems;
	2. Control of physical engineering systems;
	3. Mechanical, electrical and fluid interaction of the system’s components;
	4. Mathematical modelling;
	5. Dynamic behavior analysis;
	6. System response analysis;
	7. Feedback control systems;
	8. Numerical simulation of integrating systems;
	9. Software for dynamic simulation and optimization;
	10. Frequency response;
	11. Stability;
	12. Control and simulation of the isotope separation process;
	13. Studied cases;

**Short abstract (200words):***Dynamic Modeling and Simulation for Control* *Systems*will contents some topics including the mathematical model of the dynamic behavior, optimization algorithms, assisted theoretical and experimental research, control of the physical engineering systems, mechanical, electrical and fluid interaction components, system response analyze, feedback control systems, numerical and software for dynamic simulation and optimization, stability of the systems, dynamic behavior in the frequency field and studied different cases. The special issue trying to cover more important aspects about how could be optimized the dynamic behavior of the physically systems by using the special algorithms and artificial intelligence in the modeling, simulation, optimization the components and the systems from the important fields like: astronautics, aerospace, avionix, robotics, manufacturing systems, mechanical engineering, power energy, technology of materials and neurorehabilitation. The fuzzy and neural network controlling applied in the complex schema will be studied. Control and simulation isotope separation process will be developed and analyzed. The special issue of the Mathematics journal will be a real guide in the technique of modeling, simulation and optimization of control systems in order to obtain acceptable dynamic behaviors.

**Keywords (10):** mathematical modelling, numerical simulation, software simulation, assisted research, data acquisition, mechanical and electrical interaction, physical engineering design, control systems, response analysis, feedback control, frequency response, stability, fuzzy logic, neural network, artificial intelligence.