

Nuclear Engineering and Technology for the 21st Century

Scope

The Nuclear Engineering and Technology for the 21st Century concise monograph series provides current and future engineers, researchers, technicians and other professionals and practitioners with practical, concise but key information concerning the nuclear technologies from areas of medical applications, mining, processing and manufacturing, environmental monitoring to safe and energy-efficient plant operation and electricity generation. Each monograph should provide a well rounded and definitive state-of-the-art review of its subject, with a focus on applied research and development, and best industry practices, processes and related technological applications. The series is envisaged as a collection of 80 to 100 pages monograph publications which can stand as the most authoritative source of information on current state of a topic, application or discipline. Authors are encouraged to submit their work in the following core topics, but authors should contact the commissioning editor before submitting a proposal:

- best practices in power plant operation
- nuclear science and technology in medicine,
- irradiation technologies and applications,
- fuel cycle processes, engineering and technologies,
- nuclear reactor thermal hydraulics and/or neutronics
- materials for current and advance power generation
- nuclear safety and environmental impact
- next generation of nuclear power plants
- radiation in our environment
- radioecology, radiobiology, radiation chemistry