

Special Issue

Water Coolant Lithium Lead Breeding Blanket and Test Blanket Module: Design and R&D Activities in 2022

Message from the Guest Editors

The Water Cooled Lithium Lead (WCLL) is the European Test Blanket Module of ITER and one out of two Breeding Blanket candidates of EU-DEMO. Design activities are ongoing and involve analyses in a wide spectrum of technical areas, such as neutronics, thermo-mechanics, thermo-hydraulics, hydro-dynamics, magneto-hydrodynamics, tritium transport, and safety. These efforts are conducted with growing awareness thanks the continuous R&D efforts pursued in a wide spectrum of technology fields, i.e. the technologies of PbLi, of tritium, of water coolant, of the structural material. We invite scientists and experts to report scientific and technical activities and achievements of year 2022 in a Special Issue dedicated to the Water Coolant Lithium Lead Breeding Blanket and Test Blanket Module.

Guest Editors

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Deadline for manuscript submissions

closed (10 October 2023)



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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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