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Tilting Pad Journal Bearings: State of the Art

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 October 2022)

Message from the Guest Editor

Dear Colleagues,

Tilting pad journal bearings (TPJB) are fundamental components in rotating machinery for their known stable behavior at high rotational speeds. Their steady and dynamic characteristics have been investigated extensively by several researchers. Devoted test rigs have been realized to validate the predictions of theoretical models. Nonetheless, due to the complexity of TPJB, there are still issues that need to be clarified in order to improve predictability of their behavior at the design step.

I am happy to announce this Special Issue entitled "Tilting Pad Journal Bearings: state of the art". The main focus of this Special Issue is work related to TPJB and TPJB-rotor systems, highlighting not only improved performance, but also deeper insights into the phenomena that govern these components and the influence of design, operation, materials, manufacturing parameters. Some keywords are provided but they are by no means exhaustive. If you are interested, please submit the abstract before 31 May 2021.



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Special Issue



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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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