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## LIST OF PUBLICATIONS

### JOURNALS & BOOK CHAPTERS:

Paper Title	Journal/ Book Name, Volume No. Issue No., Year, Page No., DOI	Indexing & Impact factor
Designing of 2-DOF Load Frequency Controller for Power System using Novel IPCG Method of Reduced-Order Modelling	International Transactions on Electrical Energy Systems, Vol. 31, Issue - 11, 2021, pp. 1-30 <a href="https://doi.org/10.1002/2050-7038.13063">https://doi.org/10.1002/2050-7038.13063</a>	SCIE IF-2.860
A Novel Improved Hybrid Approach for Order Reduction of High Order Physical Systems	Sadhana, 46:90, 2021, pp. 1-24 <a href="https://doi.org/10.1007/s12046-021-01613-4">https://doi.org/10.1007/s12046-021-01613-4</a>	SCIE IF-1.188
Behavioural Analysis of Various Techniques of Model Order Reduction Used in the Reduction of Large Scale Control System	International Journal of Engineering and Advanced Technology, Vol. - 9, Issue - 2, 2019, pp. 4894-4899 <a href="https://doi.org/10.35940/ijeat.B4966.129219">https://doi.org/10.35940/ijeat.B4966.129219</a>	SCOPUS
Performance Enhancements of Physical Systems by Reduced-Order Modelling and Simulation	International Journal of Modelling, Identification and Control, Vol. - 36, No. 1, 2020, pp. 14-23 <a href="https://doi.org/10.1504/IJMIC.2020.115396">https://doi.org/10.1504/IJMIC.2020.115396</a>	SCOPUS
Enhancements in Performance of Reduced Order Modelling of Large-Scale Control Systems	Studies in Computational intelligence, Vol. - 921, 2020, pp. 69-78. (A Book Series of Springer) <a href="https://doi.org/10.1007/978-981-15-8469-5_6">https://doi.org/10.1007/978-981-15-8469-5_6</a>	SCOPUS

Comparative Analysis of Different Balanced Truncation Techniques of Model Order Reduction	Advances in Intelligent Systems and Computing, Vol. - 1165, 2020, pp. 453-464. (A Book Series of Springer) <a href="https://doi.org/10.1007/978-981-15-5113-0_35">https://doi.org/10.1007/978-981-15-5113-0_35</a>	SCOPUS
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**CONFERENCE:**

<b>Paper Title</b>	<b>Name of Conference Date and Location</b>	<b>National/ International</b>
Review of Model Order Reduction Techniques for Reducing an Integer Order Large Scale System	Recent Trends in Computer Applications & Information Technology (RTCAIT'19), 19-20 April, 2019 organised at MMU Mullana, Haryana (Sponsored by CSI & Spoken IIT Bombay)	International
Enhancements in Performance of Reduced Order Modelling of Large-Scale Control Systems	International Conference on Intelligent Communication and Computational Research (ICICCR 2020) 25 <sup>th</sup> January, 2020organised at Punjab Institute of Technology, Rajpura, Punjab (A constituent college of MRSPTU, Bathinda) (Sponsored by Elsevier)	International

<p>Comparative Analysis of Different Balanced Truncation Techniques of Model Order Reduction</p>	<p>International Conference on Innovative Computing and Communications, 22-23 February, 2020 organised at Shaheed Sukhdev College of Business Studies (University of Delhi), New Delhi (Springer Conference)</p>	<p>International</p>
<p>Reduced Order Modelling of Higher Order Systems by ICG Technique</p>	<p>Accepted for Publication in 6<sup>th</sup> IEEE International Conference on Computing, Communication and Automation (ICCCA), 17-19 December, 2021 to be organised jointly by Aurel Vlaicu university of Arad, Romania &amp; Galgotia University, India</p>	<p>International</p>