

The **4th International Conference** on

Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST-2022)

at **Motherhood University, Roorkee, Uttarakhand, INDIA** Dated: **December 22-24, 2022.**

The focus of Special Session is to explore the application of computational techniques in various branches of Sciences/Engineering. Some of the topics to be discussed are:

1. Computational Techniques in nuclear reactions e.g. Fusion, Fission, Cluster Radioactivity, Multi fragmentation etc.
2. Monte Carlo Simulations in Physical and Chemical Sciences, Bio Informatics, Stem Cell, Geological Studies, Engineering and Medical Sciences.
3. High energy Physics with Simulations.
4. Density Functional Theory/ Simulations in Nano Systems/ Condensed Matter and Atomic Physics.
5. Statistical Techniques in Experimental Sciences.
6. Computational Techniques in Fabricating and Designing ion sources and Plasma Physics.

Special Session

Application of Computational Techniques in Applied Sciences and Engineering

Will be held during the Conference

Important Dates

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| Submission of one-page abstracts | : September 18, 2022 |
| Submission of full papers | : November 15, 2022 |
| Payment of the regular registration fee | : September 30, 2022 |
| Submission of applications for the M3HPCST-2022 Young Researcher Prize | : October 1, 2022 |

All submitted manuscripts will be peer reviewed and accepted manuscripts will be published in a book of **proceedings** by **Springer-Verlag**, special issue with **Jangjeon Mathematical Society** and **Journal of Taylors & Francis**. The proceedings will be indexed in major databases including the web of Science and SCI/Scopus index journals.

Special Session Chair: **Dr. Arun Sharma, Principal (Email: arungaur.ju@gmail.com)**

Special Session Co-chair: **Er. Ishita Puri**

Please find the details Journals/Proceedings about the publication of special issue:

1. **Mathematical and Computer Modeling of Dynamical Systems (MCMDS)** by **Taylor & Francis**
<https://www.tandfonline.com/action/authorSubmission?journalCode=nmcm20&page=instructions>
2. **Advances in Mechanics and Mathematics by Springer Switzerland AG 2019**
Guidelines: <http://www.springer.com/gp/authors-editors/book-authors-editors/book-manuscript-guidelines>
Templates: <http://www.springer.com/gp/authors-editors/book-authors-editors/manuscript-preparation/5636>
3. **Proceedings of Jangjeon Mathematical Society (PJMS)**
Guidelines: http://www.jangjeon.or.kr/menu1/menu1_sub2_1.html
Templates: <http://www.jangjeon.or.kr/index.html>
4. **International Journal of Computer Mathematics: Computer Systems Theory** by **Taylor & Francis**
<https://www.tandfonline.com/action/authorSubmission?journalCode=tcom20&page=instructions>
5. **Application of Mathematics** (Springer Journal)
<http://am.math.cas.cz/AMinstr.html>

Submission of papers only accepted through the Easy Chair. Please find the below link:

Manuscript Submission: <https://easychair.org/conferences/?conf=m3hpcst20220>

It will be greatly appreciated if you could participate in the Conference and also circulate the information among your department and colleagues. For detailed Information please visit: <https://www.mhu.edu.in/m3hpcst-2022/index.php>

Please feel free to contact us in case you have any specific query.

Prof. V. K. Singh, Conference Chair

Email: m3hpcst-2022.chair@motherhooduniversity.edu.in