



# India-Turkey Binational online conference

November 22, 2023



| TR Time            | IST Time    | PROGRAM   |            |
|--------------------|-------------|---|------------|
| 08:30-08:40        | 11:00-11:10 | <b>OPENING TALKS</b><br><b>Arunava Chakrabarti</b> Presidency University<br><b>Ümit Akıncı</b> Dokuz Eylül University   |            |
|                    |             | <b>Chair: Ümit Akıncı</b>   |            |
| 08:40-09:05        | 11:10-11:35 | <b>Yusuf Yüksel</b> Dokuz Eylül University<br><i>Investigation of robustness and survival of skyrmion vortices in the presence of magnetic field disorder in two-dimensional lattices: A case study for Janus dichalcogenides</i> | <b>T1</b>  |
| 09:05-09:30        | 11:35-12:00 | <b>Arunava Chakrabarti</b> Presidency University<br><i>Disordered Quantum Prison: Entrapment and Escape</i>   | <b>T2</b>  |
|                    |             | <b>Chair: Yusuf Yüksel</b>  |            |
| 09:30-09:55        | 12:00-12:25 | <b>Kadir Akgüngör</b> Dokuz Eylül University<br><i>The Application of Monte Carlo method in medical physics; Radiotherapy and Radiology examples</i>  | <b>T3</b>  |
| 09:55-10:20        | 12:25-12:50 | <b>Arabinda Nayak</b> Presidency University<br><i>An Equivalent Circuit that Simulate the Photoresponse of Ferroelectric ZnSnS<sub>3</sub> Thin Films</i>   | <b>T4</b>  |
| 10:20-10:45        | 12:50-13:15 | <b>Zeynep Demir Vatansever</b> Dokuz Eylül University<br><i>Non-equilibrium Phase Transition Properties of Kagome Ising Ferromagnet</i>   | <b>T5</b>  |
| <b>Lunch Break</b> |             |   |            |
|                    |             | <b>Chair: Erol Vatansever</b>   |            |
| 11:30-11:55        | 14:00-14:25 | <b>Muktish Acharyya</b> Presidency University<br><i>Metastability of the spin-S model ferromagnets</i>  | <b>T6</b>  |
| 11:55-12:20        | 14:25-14:50 | <b>Resul Sevinçek</b> Dokuz Eylül University<br><i>An example of Chemistry and Physics intersections: NBO(Natural Bond Orbital) and CDA(Charge Decomposition Analysis)</i>  | <b>T7</b>  |
| 12:20-12:45        | 14:50-15:15 | <b>Sukanta De</b> Presidency University<br><i>Two-Dimensional Nano Materials in Flexible Supercapacitors for Portable Power Solutions</i>   | <b>T8</b>  |
|                    |             | <b>Chair: Zeynep Demir Vatansever</b>   |            |
| 12:45-13:10        | 15:15-15:40 | <b>Ufuk Paksu</b> Kırklareli University<br><i>Electron Spin Resonance Laboratory</i>  | <b>T9</b>  |
| 13:10-13:35        | 15:40-16:05 | <b>Melek Can</b> Dokuz Eylül University<br><i>Energy Window-Based (DEW/TEW) Scatter Correction Methods in NuclearMedicine Imaging</i>   | <b>T10</b> |