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# 4<sup>th</sup> INTERNATIONAL CONFERENCE

on  
Innovation & Research in Science and Technology  
for Sustainable Development

May 29-30, 2025

Organized by

School of Science, O. P. Jindal University, Raigarh

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## CERTIFICATE OF PAPER PRESENTATION

This is to certify that Prof./Dr./Mr./Ms.

**Arun Kumar S M** (Department of Studies in Physics, Vijayanagara Sri Krishnadevaraya University,  
Ballari, Karnataka)

has presented a paper entitled

*Influence of Sr doping on Structural & magnetic properties of NdMnO<sub>3</sub>*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

**Dr. Taniya Sengupta Rathore**

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**Renuka U (Department of Studies in Physics, Vijayanagara Sri Krishnadevaraya University, Ballari)**

has presented a paper entitled

*Carbon Quantum Dot Induced Fluorescence Enhancement in Bioactive Azo Dyes for Bio-Imaging Applications*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Subhani Khanam Nehal** (Department of Studies in Physics, Vijayanagara Sri Krishnadeveraya  
University, Ballari)

has presented a paper entitled

*Fluorescence-Based Detection of Hazardous Nitroaromatic Compounds Using a Coumarin Derivative*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable  
Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**S. Behera (Department of Physics, Fakir Mohan University, Balasore)**

has presented a paper entitled

*Synthesis, structural and dielectric properties study of Y<sub>2</sub>BaCuO<sub>5</sub> layer perovskites at elevated temperature*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Vibha (Department of Physics, Vijayanagara Sri Krishnadevaraya University, Ballari)**

has presented a paper entitled

*Spectroscopic Insights on the Interaction of Sulfa Drugs with Silver Nanoparticles*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Shiwani Patail** (Department of physics, OP Jindal University Punjipathra, Raigarh, Chhattisgarh)

has presented a paper entitled

*Zinc oxide nanoparticles: A comprehensive review on their synthesis and properties*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Yamini Gupta** (Department of Physics, O.P. Jindal University, Raigarh, Chhattisgarh)

has presented a paper entitled

*Enhancement of Corrosion Resistance in Mild Steel via Cuprous Oxide Coating*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Fanindra Patel (Department of Physics, School of Science, O.P. Jindal University, Raigarh)**

has presented a paper entitled

*Effects of Electromagnetic Wave on Human Health*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Khushi Singh** (Department of Physics, O.P. Jindal University, Raigarh, Chhattisgarh)

has presented a paper entitled

*Comparative Study of Optical and Structural Properties of ZnO Synthesized Using Different Plant Extracts*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Himanshi Singh Chandel** (Department of Physics, School of Science, O.P. Jindal University,  
Raigarh)

has presented a paper entitled

*Tooth cavity analysis using laser speckle technique*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Nikita Gupta (Department of Physics, School of Science, O.P. Jindal University, Raigarh)**

has presented a paper entitled

*Laser Speckle Technique: A Novel Approach to detect Brain Cancer*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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**Rakesh Patel (Department of Physics, O.P. Jindal University, Raigarh)**

has presented a paper entitled

*Comparative Study of Optical and Structural Properties of CuO [Different Extract]*

at the 4<sup>th</sup> International Conference on “Innovation & Research in Science and Technology for Sustainable Development” organized by the School of Science, O. P. Jindal University, Raigarh during May 29-30, 2025.

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