



# National Conference

on

## “Smart Materials and Devices for Sustainable Technologies”

(20 - 21 June, 2022)

Organized by

Department of Physics & IQAC

Shri Lal Bahadur Shastri Degree College, Gonda, U.P.

(Affiliated to Dr. R.M.L. Avadh University Ayodhya, U.P.)

Co-Sponsored by

Satya Saroj Foundation, Gonda

&

State Bank of India, Main Branch, Gonda

## International Journal of Scientific Research in Science and Technology

### Important Dates to Remember

Opening of Registration	June 02, 2022
Last Date for Submission of Abstract	June 17, 2022
Last Date for Online Registration	June 17, 2022
Last Date for Submission of Full Paper	June 19, 2022
Paper Presentation	June 20--21, 2022

(Note: Offline Registration will be available on the spot)

Abstract can be sent to the email:

[lbsdphysics@gmail.com](mailto:lbsdphysics@gmail.com)

Inauguration and Invited Lectures from renowned Resource Persons and Research Paper Presentation

Venue:

Smt. Lalita Shastri Sabhagar, Shri Lal Bahadur Shastri Degree College, Gonda

### Conference Registration Fees

Category	Amount
PG Students	INR 200
Research Scholar/Guest Faculty of SLBSDC	INR 300
Faculty	INR 500
Paper Publication Fee (Additional)	INR 700
Industry	INR 1000

(Fee can be submitted in both manual and online mode)

Account Details:

Bank Name: HDFC Bank

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#### Inaugural Lecture

by



Prof. S. N. Shukla  
Department Of Physics  
Dr. R.M.L. Avadh University Ayodhya



Prof. D. K. Dwivedi  
Dean of Faculty Affairs  
MMMUT, Gorakhpur



Prof. S. K. Tripathi  
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Prof. R.S. Singh  
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Gorakshanath Shodh Peeth  
and  
Department of Physics,  
DDU Gorakhpur University



Dr. A. K. Maurya  
Department of Physics,  
School of Physical and  
Decision Sciences  
Babasaheb Bhimrao  
Ambedkar University, Lucknow

#### SUB-THEMES OF THE CONFERENCE

- ▶ Carbon nanostructure modified life Po4 cathodes for lithium-ion battery applications.
- ▶ Failure analysis of bubble canopy: MiG-29 Aircraft.
- ▶ Effect of additives on gelation of methylcellulose based ophthalmic thermo-responsive in situ gels.
- ▶ Surface plasmon resonance for C-reactive protein detection in human plasma.
- ▶ Sustainable waste water treatment plants networks design through multi-objective optimization.
- ▶ Magnesium ferrite/polyvinyl alcohol nanocomposites fabrication and characterization.
- ▶ Single crystal silicon nanomembrane molecular sieves.
- ▶ Robust sustainable infrastructure using smart materials and technologies.
- ▶ Carbon based smart organic devices and bio product derived sustainable technology application.
- ▶ Eco friendly nanomaterials for flexible sensors, optoelectronics and solar energy harvesting.
- ▶ Effects of porosity distribution on properties of multifunctional foam structure.
- ▶ Wheat bran fiber as resources for industries.
- ▶ Optoelectronic diffusion waves in semiconductors: carrier lifetime chronotomography imaging of Si solar cells.
- ▶ Power, Energy, Efficient resource management, and Energy Harvesting
- ▶ Things to Cloud: Computation and Communication Gateways
- ▶ Semantic technologies: Information and data models for interoperability
- ▶ Other concerning topics are also accepted.