

Govt. Pt. Shyamacharan Shukla College Dharsiwa Raipur (CG)

Report of
National Seminar on Characterization and Processing of Advanced Materials
(NSCPAM-2021)
26th June 2021

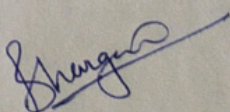
Department of Physics has organized National Seminar on 26th of June 2021. The program was conducted virtually (online) through Google Meet. The program was conducted in six different sections namely, Pre-seminar talk, Inaugural function, Technical session-1, technical session-2, technical session-3 and Poster presentations. In the inaugural function the Chief guest was honourable Prof. K L Verma, vice-chancellor, Pt. Ravishankar Shukla University, Raipur (CG) and presided by respected principal Prof. Vinod Sharma. The inaugural function was started at 11:00 am by worshipping goddess Saraswati, followed by the welcome address by principal Prof. Vinod Sharma. Chief guest Prof. K L Verma congratulated the principal and staff of department of Physics and faculty of science for organizing the seminar in spite of limitations due to Pandemic due COVID-19. Convenor of the seminar Dr. G Nag Bhargavi, Assistant prof. department of Physics introduced the sessions with objectives and themes of the seminar. She also briefed the relevance of the topic in the present scenario. In the end Dr. Nidhi Dewangan, Assistant prof. department of Mathematics gave vote of thanks. Before the inaugural session there was Pre-seminar talk given by Dr. Tanmaya Badapanda, associate prof. Department of Physics, C V Raman Global University, Bhubaneshwar, Odisha. He explained on "Fundamental of Piezoelectric coefficients and its impact on energy harvesting". In this seminar on our call 85 participants have registered from 18 different states of the country. 60 abstracts were submitted by participants out of which there are invited talks, 18 oral talks and 39 poster presentations.

Technical Session-1 (11:30 am-1:00 pm)

In the first technical session there were two invited talks. The first talk was delivered by Dr. Nimai Pathak, Scientist E, Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai on "Recent progress on piezo-photonic class of materials for application in emerging flexible optoelectronics devices". The second talk by delivered by Dr. Manoranjan Kar, Associate professor, Department of Physics, Indian Institute of Technology Patna, Bihta, Patna on the topic "Magnetic properties of composites derived from magnetic oxides". The session was chaired by prof. Anjali Oudhia, Professor and Head, Govt. Nagarjuna PG College of Science, Raipur (CG). After this session there was lunch break of 1 hour from 2-3pm.

Technical Session-2 (2:00 pm- 3:30 pm) & Technical Session-3 (3:30 pm- 5:00 pm)

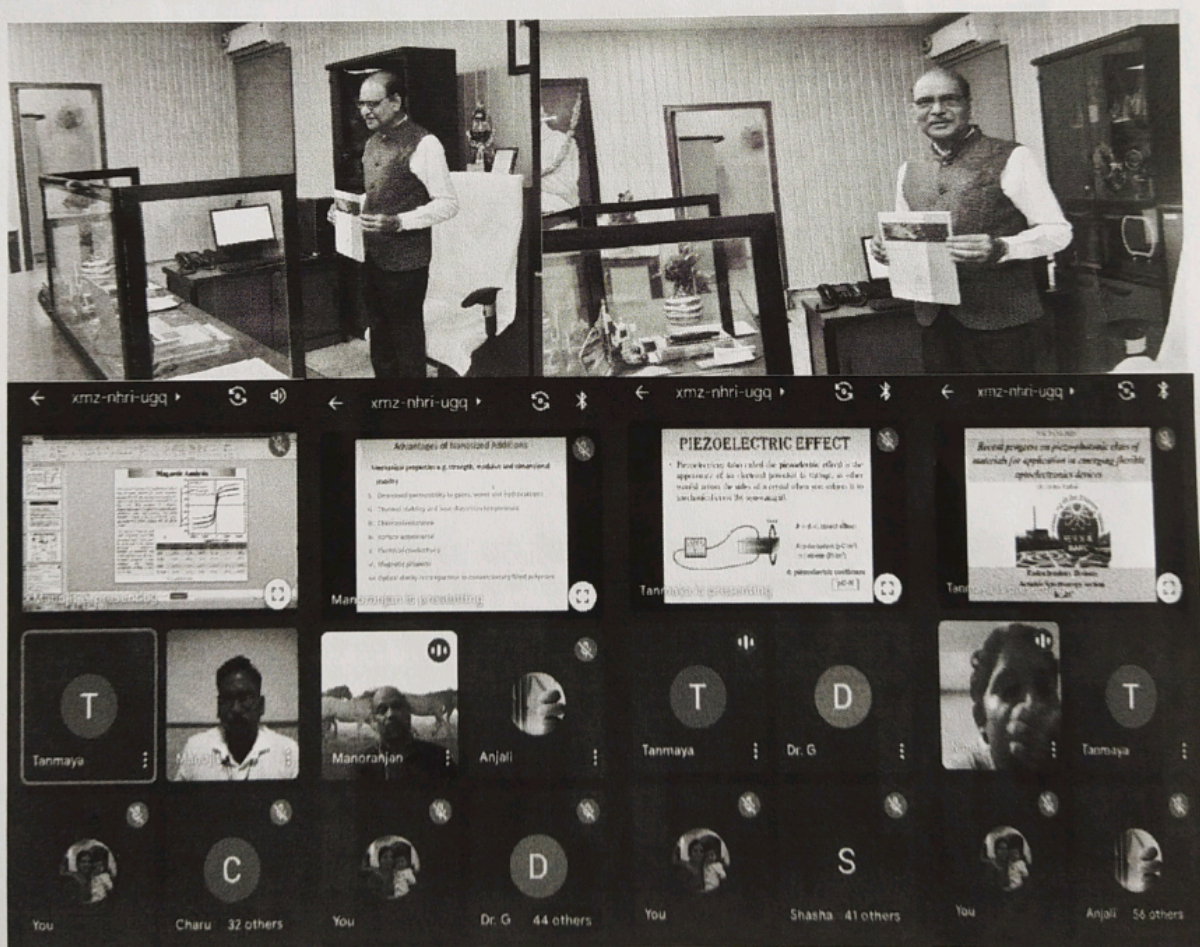
The second & third technical sessions were chaired by Prof. Nameeta Brahme, Professor, SOS in Physics and Astro-physics, Pt. Ravishankar Shukla University Raipur, (CG). In these sessions 18 oral talks were presented by the participants. The talks were judged by Prof. D P Bisen, Professor & Head, SOS in Physics and Astro-physics, Pt. Ravishankar Shukla University Raipur, (CG), Dr. Ayush Khare, Associate Professor, Department of Physics, National Institute of Technology, Raipur, (CG) and Dr. Tanmaya Badapanda, Associate Professor, Department of Physics, C V Raman Global University, Bhubaneshwar, Odisha.



Poster Presentations (2:30 pm- 3:30 pm)

Parallely a poster presentation session was conducted through another Gmeet link. In which 39 posters were presented by the participants. The posters were judged by Dr. Kamal Pandey, Assistant professor of Physics, Sri Jai Narain Mishra PG College (K.K.C.), An Associate College of University of Lucknow and Dr. Pankaj Tripathi, Associate professor of Physics, Shri Rampher Shivpher Degree College, Dr. RML Awadh University, Ayodhya

Valedictory session was started at 5:30 PM. In the Valedictory the invited speakers, guest, judges and the participants gave feedback on the seminar. At last result of oral presentation and poster presentations were declared, Principal Dr. (Smt.) Vinod Sharma congratulated to all the winners and the organizing team of the seminar and all the participants. Dr. G. Nag Bhargavi presented the report of the seminar and Dr. Nidhi Dewangan gave the vote of thanks in the valedictory.



Bhargavi

रायपुर, रविवार 27 जून 2021
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एक दिवसीय राष्ट्रीय शोध संगोष्ठी

रायपुर। शासकीय पं. श्यामाचरण शुक्ल महाविद्यालय में भौतिकशास्त्र विभाग द्वारा एक दिवसीय राष्ट्रीय संगोष्ठी का आयोजन किया गया। उन्नत सामग्री का लक्षण, वर्णन और प्रसंस्करण के विषय पर ऑनलाइन आयोजन गूगल मीट पर किया गया। इस कार्यक्रम में बुक ऑफ अब्सट्रैक्ट का विमोचन किया गया। संगोष्ठी में मुख्य अतिथि रविवि के कुलपति प्रो. केएल वर्मा, महाविद्यालय के प्राचार्य डॉ. विनोद शर्मा ने कार्यक्रम का शुभारंभ किया। संगोष्ठी के संयोजक डॉ. जी. नाग भार्गवी द्वारा सेमिनार का परिचय दिया। अतिथि वक्ता डॉ. तनमय बड़ापांडा ने पीजो इलेक्ट्रिक मटेरियल की डिजाइनिंग प्रोसेसिंग और ऊर्जा के क्षेत्र में उपयोगिता पर चर्चा की।

दैनिक
भास्कर

रायपुर 27-06-2021

भौतिक विभाग में संगोष्ठी

धरसीवा | भौतिक शास्त्र विभाग शासकीय पण्डित श्यामाचरण शुक्ल महाविद्यालय धरसीवा द्वारा एक दिवसीय राष्ट्रीय शोध संगोष्ठी का ऑनलाइन आयोजन गूगल मीट पर किया गया। मुख्य अतिथि रविशंकर शुक्ल विश्वविद्यालय रायपुर के कुलपति प्रो. के एल वर्मा रहे। प्राचार्य डॉ विनोद शर्मा के उद्बोधन से कार्यक्रम का शुभारंभ किया गया। संगोष्ठी की संयोजक डॉ जी. नाग. भार्गवी ने सेमिनार की विषय वस्तु का परिचय दिया। कार्यक्रम में अतिथि वक्ता डॉ तनमय बड़ापांडा (भुवनेश्वर) थे।

प. श्यामाचरण शुक्ल महाविद्यालय धरसीवा द्वारा एक दिवसीय राष्ट्रीय शोध संगोष्ठी

धरसीवा :- दिनांक 26/06/2021 को भौतिक शास्त्र विभाग शासकीय पण्डित श्यामाचरण शुक्ल महाविद्यालय धरसीवा द्वारा एक दिवसीय राष्ट्रीय शोध संगोष्ठी का ऑनलाइन आयोजन गूगल मीट पर किया गया इस संगोष्ठी में मुख्य अतिथि के रूप में पण्डित रविशंकर शुक्ल विश्वविद्यालय रायपुर के कुलपति माननीय प्रोफेसर के एल वर्मा रहे एवं महाविद्यालय की प्राचार्य महोदया डॉ विनोद शर्मा के उद्बोधन से कार्यक्रम का शुभारंभ किया गया। संगोष्ठी की संयोजक डॉ जी. नाग. भार्गवी द्वारा सेमिनार के विषय वस्तु का परिचय दिया गया इसके साथ ही बुक ऑफ अब्सट्रैक्ट का विमोचन किया गया। कार्यक्रम में अतिथि वक्ता डॉ तनमय बड़ापांडा (भुवनेश्वर) ने पीजो इलेक्ट्रिक मटेरियल की डिजाइनिंग प्रोसेसिंग और ऊर्जा संरक्षण के क्षेत्र में उपयोगिता पर चर्चा की अतिथि वक्ता डॉ निमाई पाठक (भाभा अटॉमिक रिसर्च सेंटर) ने ऑप्टो इलेक्ट्रॉनिक डिवाइस के आधुनिक जीवन में उपयोगिता पर व्याख्यान दिया। आई.आई.टी पटना से अतिथि वक्ता के रूप में जुड़े डॉ मनोरंजन कर ने आधुनिक मेटेरियल्स और कम्पोजिट मेटेरियल्स की आवश्यकता पर चर्चा की कार्यक्रम में कई राज्यों से शोधार्थियों ने शोधपत्र प्रस्तुत किये। कार्यक्रम में डॉ डी पी बिसेन, डॉ नमिता ब्राम्हे, डॉ आयुष खरे, डॉ पंकज त्रिपाठी, डॉ कमल पांडेय, डॉ अंजलि अवधिया निर्णायक मंडल में शामिल थे। कार्यक्रम में संस्था के सभी प्राध्यापक उपस्थित थे एवं डॉ निधि देवांगन ने धन्यवाद ज्ञापन किया।

Bhargava

GOVT. PT. SHYAMACHARAN SHUKLA COLLEGE DHARSIWA
RAIPUR, (CG)

DEPARTMENT OF PHYSICS

National Seminar on
“Characterization and Processing of Advanced Materials”
(NSCPAM-2021)

June 26, 2021

INAUGURAL FUNCTION

Time: 11:00 AM-11:30 AM

Invocation
Welcome Address Dr. Vinod Sharma - Principal
Address by the Chief Guest Prof. K L Verma <i>Honorable Vice- Chancellor</i> Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
Release of Book of Abstracts
Theme of the Seminar Dr. G Nag Bhargavi - Convener
Vote of Thanks Dr. Nidhi Dewangan - Organizing Secretary

Bhargavi

**GOVT. PT. SHYAMACHARAN SHUKLA COLLEGE DHARSIWA
RAIPUR, (CG)**

DEPARTMENT OF PHYSICS

**National Seminar on "Characterization and Processing of Advanced Materials"
NSCPAM-2021**

June 26, 2021

Technical program

10:00-10:45 AM	Pre-Seminar Talk Fundamental of Piezoelectric coefficients and its impact on energy harvesting by Dr. Tanmaya Badapanda <i>Department of Physics, C V Raman Global University, Bhubaneswar</i>	
11:00-11:30 AM	INAUGURAL CEREMONY	
Technical session -1 Session chair: Dr. Anjali Oudhia		
11:30-12:15 PM	IT-1	Recent progress on piezo-photonic class of materials for application in emerging flexible optoelectronics devices by Nimai Pathak <i>Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai</i>
12:15 - 1:00 PM	IT-2	Magnetic properties of composites derived from magnetic oxides by Manoranjan Kar <i>Indian Institute of Technology Patna, Bihta, Patna</i>
1: 00 - 2: 00 PM	<u>LUNCH</u>	
Technical session -2 Session chair: Dr. Nameeta Brahme		
2:00 - 2:10 PM	OT-1	Manojit De <i>Synthesis, Structural investigation, Vibrational, Magnetic properties of doped Nickel Ferrite by the Auto combustion method</i>
2:10 - 2:20 PM	OT-2	Shishir Shukla, Bhupendra Pratap Singh, Rajiv Manohar and Kamal Kumar Pandey <i>Electro-optical properties of nematic liquid crystal doped with TiO₂ nanoparticles</i>
2: 20 - 2: 30 PM	OT-3	Bhupendra Pratap Singh, Che-Ju Hsu², Chi-Yen Huang and Rajiv Manohar <i>Fast-response large aperture liquid crystal lens using organic and inorganic nanocomposite</i>
2: 30 - 2: 40 PM	OT-4	Kalpana R. Nagde <i>Comparative Study on formation of Lanthanum Strontium Manganite with different percentage of pore former</i>

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2: 40 - 2: 50 PM	OT-5	Shailesh M. Zingare, Smita A. Acharya <i>Understanding dielectrics phase transitions in $AlFeO_3$: As multifunctional semiconductor</i>
2: 50 - 3: 00 PM	OT-6	Chinmayee Dash and Dillip Kumar Bisoyi <i>Dielectric and Mechanical Study of Microwave Irradiated Sunn Hemp Reinforced Composite in Connection with Fine Structure of the Fiber</i>
3: 00 - 3: 10 PM	OT-7	Tripti Richhariya, Nameeta Brahme, D.P. Bisen <i>Energy transfer mechanism and luminescence properties of Ce/Dy doped Strontium aluminosilicate phosphor</i>
3: 10 - 3:20 PM	OT-8	Sumit Yadav and Praveen Malik <i>Impact of Size and Concentration of Nanoparticles on Blue Phase Liquid Crystals Stability and Electro-Optical Behaviour</i>
3: 20 - 3:30 PM	OT-9	Purnima Mishra, Rajmani Patel, Dakeshwar Kumar Verma <i>Raman Spectroscopy as effective and prominent for nitrate detection in environmental samples</i>
Technical session -3 Session chair: Dr. D P Bisen		
3: 30 - 3:40 PM	OT-10	Pyare Lal <i>An Extensive Investigation on Optical Characteristics of III-V Material $InAlGaAs/InP$ under NQLs</i>
3: 40 - 3:50 PM	OT-11	Pawan Kumar, Dharm Veer, Deshraj Singh, Aravind Kumar, Ram S Katiyar <i>Ionic Conductivity and Thermal Studies of $CsH_2PO_4(CDP)/NaH_2PO_4(SDP)/ZrO_2$ Composite Electrolytes for Fuel Cell</i>
3: 50 - 4:00 PM	OT-12	Pawan Kumar, Prosenjit Sarkar, Nisha Kumari, Sachin Singh, Devendra Kumar, Arvind Kumar, Ram S Katiyar <i>Study of Structural and Optical Properties of Pulsed Laser Deposited ZnSe Thin Films on Al_2O_3 Substrate at Different Annealing Temperatures</i>
4: 00 - 4: 10 PM	OT-13	Pawan Kumar, Nisha Kumari, Prosenjit Sarkar, Sachin Singh, BCK Mishra, Ram S Katiyar <i>Effect of Different Annealing Temperatures on Surface Topological and Optical Properties of Pulsed Laser Deposited ZnO Thin Film</i>
4: 10 - 4:20 PM	OT-14	Samiksha Sikarwar <i>Synthesis and characterization of highly porous hexagonal shaped $CeO_2-Gd_2O_3-CoO$ nanocomposite and its opto-electronic humidity sensing</i>
4: 20 - 4: 30 PM	OT-15	Debojyoti Nath <i>Impact of SHI irradiation on microstructural parameters of CdSe nanocrystals</i>
4: 30 - 4: 40 PM	OT-16	Ayushi Patel, Robert C. Pullar, Rajshree B. Jotania <i>Structural and Dielectric properties of In^{+3} substituted X-type Barium zinc hexagonal ferrites</i>

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4: 40 - 4: 50 PM	OT-17	Nabanita Pal <i>Scope and future prospects of porous metal oxide nanocomposites</i>
4: 50 - 5: 00 PM	OT-18	Lekha Verma, Ayush Khare <i>Structural and optical studies of as-deposited and annealed CdTe thin films synthesized by electrodeposition method</i>
5:15 - 5:30 PM	Valedictory and Result Declaration	

POSTER PRESENTATIONS

(1:30 PM – 2:30 PM)

1	PP-1	Anamika Dwivedi, K N Singh and P K Bajpai <i>Ferroelectric relaxor behaviour and Dielectric relaxation in $Sr_xBa_{1-x}Nb_2O_6$</i>
2	PP-2	Rashmi Sharma <i>Synthesis and Characteristics of TLD materials: Review</i>
3	PP-3	Vandana Rathore <i>Green composites materials and application</i>
4	PP-4	D. K. Golhani, B. Gopal Krishna, Ayush Khare, S. A. H. Zaidi <i>Comparative study between artificial and natural methods of nanoparticle synthesis</i>
5	PP-5	Rashmi Jain, S. K. Shrivastava, A. K. Shrivastava <i>Estimation of electrical conductivity, organic carbon and nutrients in river Arpa based soil</i>
6	PP-6	Preeti Soni <i>Determination of Arsenic, Antimony, Lead and Physiological Parameters in Groundwater of Bhatapara (CG)</i>
7	PP-7	Usha Rani Singh <i>A brief review: Agro-industrial residues and their utilization using solid state fermentation</i>
8	PP-8	Santosh Kumar Verma <i>High-flux fabrication of conformal perovskite thin film via plasma spray-physical vapor deposition</i>
9	PP-9	Rameshwari Verma <i>Realizing high stable Sn-based perovskite solar cells by a dual-hydrogen bond and transition elements co-doping engineering</i>
10	PP-10	Vikas Gulhare, R. S. Kher and S. J. Dhoble <i>Mechanoluminescence characterization of gamma irradiated to Tb doped $Mg(VO_3)_2$ phosphors</i>
11	PP-11	B. Verma, V. Jena <i>Judd-Ofelt Parameters Calculation of Europium Activated Barium Magnesium Silicate Phosphors</i>
12	PP-12	Prasanna Kumar Sharma <i>Advanced Material for Waste Treatment and Environmental Cleaning</i>

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13	PP-13	Prasanna Kumar Sharma <i>Polymers in daily life and their Environmental Effect</i>
14	PP-14	Prasanna Kumar Sharma <i>New Advancement in municipal Solid Waste Management and Suggested Planning</i>
15	PP-15	Kishore Janardhan Patil <i>Isolation Arbuscular mycorrhizai from Banana rhizome and rhizosphere soil</i>
16	PP-16	D. K. Pandey, Manisha Dewangan, Anubhuti Koshle, Hitendar Kumar Lautre <i>Pesticides Detection Techniques and its Importance</i>
17	PP-17	Prasanna Kumar Sharma <i>Sustainable use of Polymers and Biodegradation</i>
18	PP-18	Laxmi Gond and Anjali Bajpai <i>Adsorption of dyes by a 'Green' Nanocomposite</i>
19	PP-19	Kamal Kumar Pandey, Bhupendra Pratap Singh, Rajiv Manohar and Chi-Yen Huang <i>The scientific duo of rutile TiO₂ nanoparticles and nematic liquid crystal E204: Increased absorbance, Photoluminescence Quenching and improving response time for electro-optical devices</i>
20	PP-20	Keshav Kumar Singh, Poonam Tandon and Alka Misra <i>Formation Mechanism of Aminomethanol in the Interstellar Medium</i>
21	PP-21	Shridhar P M, Gurudatt Puranik <i>Soldering of copper using graphene-phosphoric gel</i>
22	PP-22	Shubham Mandal, Mrithnity Lohit Aditya, Ankit Mishra, Prasanna Kumar Sharma <i>Theoretical review study on quantum dot technology in green computer monitor</i>
23	PP-23	Pawan Kumar, Youraj Singh, G Nag Bhargavi, Anjali Oudhia <i>Synthesis and Structural Properties of Barium Calcium Zirconium Titanate (BCZT) Perovskite Ceramics</i>
24	PP-24	B. Gopal Krishna and Sanjay Tiwari <i>Recent Developments in Perovskite solar cells</i>
25	PP-25	Om Chaturvedi, Abhipsha Sahoo, Ankit Mishra, B K Singh <i>Theoretical study on nano computational simulation and its application</i>
26	PP-26	S. Behera <i>Optical, dielectric and multiferroic behavior of double perovskite Mg₂FeNbO₆</i>
27	PP-27	S. Jena and V. R. Singh <i>Thickness-dependent electronic and magnetic states of Mn and Co atoms at Mn-rich Co₂Mn_{1.20}Ge_{0.38}/MgO interfaces via soft x-ray magnetic circular dichroism</i>
28	PP-28	Poonam Bichpuria, Anjali Oudhia <i>Conformal Doping in reactive Metal Nanoparticles in CdTe QDs through Nucleation Doping Method</i>
29	PP-29	M. Zzaman, V. K. Verma, R. Shahid, V. R. Singh

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30	PP-30	<i>Soft X-Ray Spectroscopy Study of Cr- Substituted VO₂ Thin Films</i> Usha Shukla
31	PP-31	<i>Importance of Carbone Nanotubes in Nanotechnology</i> M. Kumar, V.K. Verma and V. R. Singh
32	PP-32	<i>Magnetic Anisotropic of Thermally Evaporated FeNi Thin Film: A Soft X-Ray Magnetic Circular Dichroism study</i> Sanjay Kumar Dubey, Shashank Sharma, Sanjay Pandey
33	PP-33	<i>Modern trends on future generation smart nano materials and its properties</i> Niranjan Kumar, Digeshwari, Manju Sahu, Y. K. Mahipal
34	PP-34	<i>Electrical and Thermal Property Studies on Sodium Ion Conducting Solid Polymer Electrolyte Membranes</i> Shashank Sharma, Sanjay Kumar Dubey, Sanjay Pandey
35	PP-35	<i>Current trends and valuable properties on new emerging smart materials for sustainable environment</i> H. Nungshibabu Singh, N. Shitaljit Singh and S. Nabadwip Singh
36	PP-36	<i>Determination of trap parameters of CaSO₄:Dy material by simplified general order one trap differential equation</i> Nipom Sekhar Das, Asim Roy and Avijit Chowdhury
37	PP-37	<i>A Review on organic-inorganic semiconductor based memory devices</i> T. P. Yadav
38	PP-38	<i>Global warming and solution: role of hydrogen energy</i> V.K. Sonwane and Piyush Jha
39	PP-39	<i>Smart Mechanoluminescent Materials: A Brief Review</i> A K Ambast
		<i>Effect of dopant and co-dopant on CaWO₄ phosphor by thermoluminescence techniques</i>

Shargens
प्रिन्सिपल,
भौतिक शास्त्र विभाग,
शासकीय पं. श्यामाचरण शुक्ल महाविद्यालय,
शंकर नगर रायपुर (छ.ग.)

Shan
Principal
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Shankar Nagar, Dharsiwa Raipur (C.G.)

GOVT. PT. SHYAMACHARAN SHUKLA COLLEGE DHARSIWA
RAIPUR, (CG)

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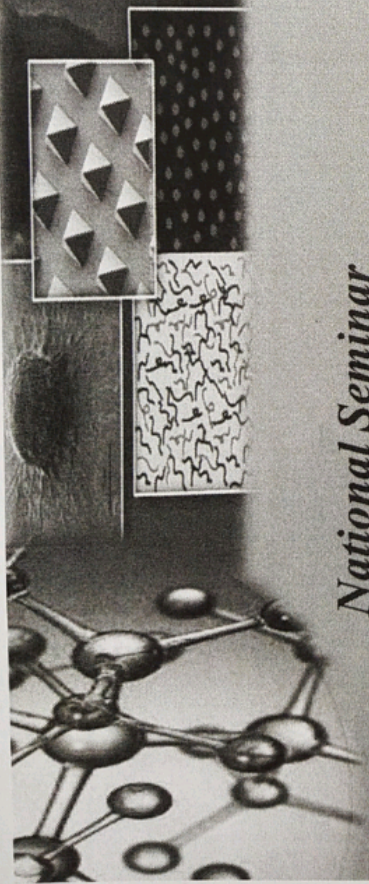
National Seminar on "Characterization and Processing of Advanced Materials"
(NSCPAM-2021)

June 26, 2021

Results

Name of the participant	Title of abstract	Affiliation	Position Held
Poster presentations			
Gurudatt Puranik	<i>Soldering of copper using graphene-phosphoric gel</i>	Siddaganga Institute of Technology, Tumkur, Karnataka	First
Niranjan Kumar	<i>Electrical and Thermal Property Studies on Sodium Ion Conducting Solid Polymer Electrolyte Membranes</i>	SOS in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur	Second
A K Ambast	<i>Effect of dopant and co-dopant on CaWO_4 phosphor by thermoluminescence techniques</i>	St. Xavier College, Maharo, Dumka, Jharkhand	Third
Oral Presentations			
Nabanita Pal	Scope and future prospects of porous metal oxide nanocomposites	Mahatma Gandhi Institute of Technology, Hyderabad	First
BHUPENDRA PRATAP SINGH	<i>Fast-response large aperture liquid crystal lens using organic and inorganic nanocomposite</i>	Liquid Crystal Research Lab, Department of Physics, University of Lucknow, Lucknow, Uttar Pradesh	Second
Manojit De	<i>Synthesis, Structural investigation, Vibrational, Magnetic properties of doped Nickel Ferrite by the Auto combustion method</i>	Department of Physics, Chouksey Engineering College, Bilaspur, C.G.	Third

Bhargava



National Seminar on

Characterization and Processing of Advanced Materials (NSCPAM-2021)

26th June 2021

Call for registrations



Organizer

Department of Physics

**Govt. Pt. Shyamacharan Shukla College, Dharsina,
Raipur, Chhattisgarh**

About the college

Government Pt. Shyamacharan Shukla College Dharsina (Nagar) was established on 14th August 1989 by the Government of Madhya Pradesh. The college was named in the memory of Pt. Shyamacharan Shukla, a freedom fighter and former chief minister of undivided Madhya Pradesh. The college is governed by the Government of Chhattisgarh. The institute is affiliated to Pt. Ravishankar Shukla University, Raipur, Chhattisgarh. The institute is recognized under 2(f) and 12(b) sections of UGC. The institute has been accredited by NAAC with B grade.

About the Seminar

This seminar will be an excellent academic forum for sharing knowledge and results in theoretical, experimental, methodological and applications of Materials Science and various streams. The seminar will cover the significant contributions from almost all the major fields of materials science. In this seminar, participants from different universities and academic institutions from all over the country are anticipated. The latest developments in the field of material science and its applications will be reviewed. Seminar will be held in virtual mode (online) via Google Meet platform.

Abstract submission

Abstract (max. 200 words) should be submitted to -
pscscscienceweek.2020@gmail.com
bhargavi.nag24@gmail.com
(abstract must contain title of the paper, authors' names, affiliation and contact details including email id)

Important Dates-

Abstract Submission begins – May 25, 2021

Abstract submission closes – June 21, 2021

Acceptance notification – June 23, 2021

Last date of registration – June 25, 2021

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Themes of NSCPAM-2021

- Smart materials
- Optical materials
- Luminescent materials
- Dielectric, ferroelectric, piezoelectric materials
- Magnetic materials
- Bio materials
- Nano materials
- Multiferroics
- III-V & II-VI group materials
- Composites
- Ceramics
- Polymers
- Metal matrix ceramics
- Fiber reinforced ceramics
- Nano composites
- Bio composites
- Thin films
- OLEDs
- Advanced characterization techniques

Advisory Committee

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 Faculty of Arts
 Faculty of Commerce

Registration fee: **Registration fee is waived off.**

Registration link:

<https://docs.google.com/forms/d/1zofRjVU-fEZ4VydeIFqR3lTZrLi638SrYdDKutPctw8/edit>

Best presentation certificate will be given to best three oral talks

Contact Persons:

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