


CENTRAL UNIVERSITY OF JAMMU

FACULTY PROFILE PERFORMA

First Name	Dr. Tanuj	Middle Name	Kumar	Last Name	Deswal	Photograph (attach below)
Title & Designation	Assistant Professor					
Address	Ansal Grace, Sainik Colony, Jammu, J&K					
Phone Number	9992910750					
Office	-					
Residence	-					
Mobile	9992910750					
Email	tanuj.nsm@cuammu.ac.in deswal.cuj@gmail.com					
Web-Page						
Educational Qualifications:						
Degree	Institution				Year	
PhD	Jawaharlal Nehru University (JNU), Delhi				2014	
M.Phil	Kurukshetra Univeristy, Kurukshetra				2009	
MSc	Kurukshetra Univeristy, Kurukshetra				2008	
BSc	Kurukshetra Univeristy, Kurukshetra				2006	
Career Profile:						
1. International Publications: 32 2. CSIR-JRF 2008 3. GATE-2009 (AIR-102) 4. BARC-OCES-DGFS 2008, 2009 5. STET-Haryana-2009						
Administrative Assignments:						
1. Department coordinator, Dept of Nanoscience & Materials, 2020 2. UGC SWAYAM MENTOR (USM) for coordinating SWAYAM from Department of Nano Sciences and Materials , 2018 3. NPTEL MENTOR for M.sc. Material Science and Technology, 2019 4. Member of Board of Studies Department of Nano Sciences and Materials, 2016 5. Member of Board of Studies Department of Physics and Astronomical Sciences, 2017 6. Exam Superintendent of II ND SEMESTER Department of Nano Sciences and Materials, 2018 7. Exam Superintendent of III RD SEMESTER Department of Nano Sciences and Materials, 2018 8. Member secretary of Mime committee, 2018 9. Convener of Kabaddi team, 2018 10. Member of Technical Committee Department of Nano Science and Materials, 2017 11. a) Exam Coordinator, 2020 b) M.Sc.Lab Incharge, 2020 12. Member of Department Admission Committee Department of Nano Science and Materials, 2017 13. Member of Committee of Sports Meet (kabaddi), 2019						
Areas of Interest / Specialization:						
High energy, Nanopattering, Semiconductor devices, Surface Plasmon resonance applications						
Subjects Taught:						

<ol style="list-style-type: none"> 1. Computer Programming & Numerical Analysis 2. Semiconductor Devices 3. Thin Film Deposition and Technology 4. Defects and transport phenomenon in Solids 5. Fundamentals of Spectroscopy in Material Science 6. Principal Properties of Materials 																				
Research Guidance:																				
<ol style="list-style-type: none"> 1. PhD-02 (under guidance) 2. MSc Projects: 12 (completed), 02 (under guidance) 																				
Publications Profile:																				
<table border="1" style="width: 100%;"> <tr> <td style="width: 5%;">a.</td> <td>Research Paper: 32</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> <tr> <td>b.</td> <td>Books: nil</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> <tr> <td>c.</td> <td>Chapter in books: nil</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> <tr> <td>d.</td> <td>Articles/Research Paper in Books: nil</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> <tr> <td>e.</td> <td>Conference Proceedings: 8</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>	a.	Research Paper: 32			b.	Books: nil			c.	Chapter in books: nil			d.	Articles/Research Paper in Books: nil			e.	Conference Proceedings: 8		
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e.	Conference Proceedings: 8																			
Conference / Workshops/Training Organized:																				
<ol style="list-style-type: none"> 1. Member of organizing Committee for the “Workshop on Vacuum, Plasma and Thin Film Deposition Techniques” held during 22nd – 24th Sep. 2015, organized by Department of Physics, Central University of Haryana, Mahendergarh. 2. Member of organizing Committee for the National conference on Materials for Sustainable Development & New Technology (MSDNT-2017), April 28-29, 2017, held at CUJ, Jammu 																				
Creation of ICT Mediated Teaching Learning Pedagogy and Content:																				
NA																				
Conference/Workshops/Training attended as Faculty Member:																				
<ol style="list-style-type: none"> 1. Invited talk on “Mathematical modeling of surface Nano patterningIrradiation”, in National conference Role of mathematical and computer science in advancement of Physics, (RMCSAP 2018) 10-11 nov 2017. 2. 																				
Invited Lectures/Resource Persons:																				
<ol style="list-style-type: none"> 1. Invited talk on “Mathematical modeling of surface Nano patterningIrradiation”, in National conference Role of mathematical and computer science in advancement of Physics, (RMCSAP 2018) 10-11 nov 2017. 2. “ Nano patterning of Si(100) under ion-beam irradiation”, in National conference on “Recent Advances in Materials Science and Spectroscopy (NCRAMSS), 15-17 Feb, 2017 held at SMVD university, Katra, J&K 3. National conference RAETP 2018 (April 17-18, 2018), Dept. of Physical & Astronomical science, Central University of Jammu 																				

<ol style="list-style-type: none"> 4. Invited talk delivered on “Synthesis and Engineering of Nanostructures by ion beam” in one day acquaintance program on Accelerator based research, 26 march 2018, Dept. of Physical & Astronomical science, Central University of Jammu 5. Oral presentation, International conference on Ion Beams in Materials Engineering and Characterization (IBMEC-2016), 28th sept -1st Oct 2016, held at IUAC, New Delhi 6. Poster presentation, National conference on Materials for Sustainable Development & New Technology (MSDNT-2017), April 28-29, 2017, held at CUJ, Jammu. 7. Oral presentation in 4th international conference on Nano-structuring by ion beam (ICNIB-2017) held at Agra from 11 – 13 October 2017. 8. Certificate of Appreciation, National Science Day-2017 9. Participation in NPTEL Awareness Workshop held at Central University of Jammu, 3 Dec.2018 10. Paper Presentation on “Dynamic Scaling and Fractal behavior of Nano-patterning Si(100)...ion irradiation environment”, Two day National Conference on Recent Advances in Condensed Matter Physics (RACMP-2018) held at KUK, Oct.12-13,2018. 11. Participation in one week “International Workshop on Soft Materials and Devices (IWSMD-2018)” organized by Central University of Jammu from 21th March 2018.
<p>Research Projects (Major Grants/Research Collaboration):</p> <ol style="list-style-type: none"> 1. A project on “Importance of amorphous/crystalline (a/c) interface in nanoscale surface patterning of Si (100) using ion beam” got sanctioned from IUAC, New Delhi, Grant ~ 6 lac 2. A project on “Fabrication and electron transport characteristics of silicon nanowires” got sanctioned from SERB-DST, New Delhi, Fund Sanctioned ~ 14.7 lac
<p>Awards and Distinctions:</p> <ol style="list-style-type: none"> 1. Fast-track Young scientist award 2. CSIR-JRF 2008 3. GATE-2009 (AIR-102)
<p>Association with Professional Bodies:</p> <p>Life time member of Indian Physics Association Life time member of Ion beam Society of India</p>
<p>Other Activities:</p> <p>NA</p>