




TITLE		PHOTOGRAPH
NAME	DR. SATISH KUMAR	
DESIGNATION	ASSISTANT PROFESSOR	
DEPARTMENT	DEPARTMENT OF PHYSICS	
ADDRESS (CAMPUS)	DEPARTMENT OF PHYSICS, GOVERNMENT COLLEGE, JEWAR, GAUTAM BUDDH NAGAR CONSTITUENT COLLEGE OF CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT UTTAR PRADESH, INDIA	
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EDUCATIONAL QUALIFICATION DETAILS

EXAMINATION	BOARD/UNIVERSITY/INSTITUTE	SUBJECT	PASSING YEAR
PH.D.	UNIVERSITY OF DELHI	PHYSICS	2020
M.TECH.	INDIAN INSTITUTE OF TECHNOLOGY MADRAS INDIA	SOLID STATE TECHNOLOGY	2011
PG (M.Sc)	CHAUDHARY CHARAN SINGH UNIVERSITY MEERUT, INDIA	PHYSICS	2009
UG (B.Sc)	CHAUDHARY CHARAN SINGH UNIVERSITY MEERUT, INDIA	PHYSICS, CHEMISTRY, MATHS	2007
12TH	UP BOARD	PHYSICS, CHEMISTRY, MATHS	2004
10TH	UP BOARD	PHYSICS, CHEMISTRY, MATHS	2002

DETAILS OF SERVICE(TILL DATE)

EMPLOYER'S NAME & ADDRESS	DESIGNATION	TYPE	DATE(FROM)	DATE(TO)	TOTAL EXP.
DEPARTMENT OF PHYSICS, GOVERNMENT COLLEGE, JEWAR, GAUTAM BUDDH NAGAR	ASSISTANT PROFESSOR	CONTRACT	2022-10-06	TILL PRESENT	
INSTITUTE OF MATERIALS SCIENCE AND NANOTECHNOLOGY, BILKENT UNIVERSITY TURKEY	PDF	CONTRACT	2021-01-01	2022-09-30	1 Y & 8 MONTHS
INSTITUTE OF PHYSICS ACADEMIA TAIWAN	RA	CONTRAT	2020-02-27	2020-07-05	4 MONTHS
SOLID STATE OF PHYSICS LABORATROY DELH INDIA	RESEARCH FELLOW	CONTRAT	2013-07-19	2018-07-19	5 YEARS

IIMT ENG. COLLEGE MEERUT UP INDIA	ASSISTANT PROFESSOR	CONTRAT	2011-07-11	2013-07-15	2 YEARS	
SEMINARS/INTERNATIONAL CONFERENCES/ WORKSHOPS / ETC.						
TYPE OF PARTICIPATION	TYPE	TOPIC	DATE(FROM-TO)	ORGANIZING INSTITUTE	MODE OF PARTICIPATION	FINANCIAL ASSISTANCE
ORAL PRESENTATION	ICMTECH- 2016	Embedded nanofibers induced by low energy ion implantation on GaSb surface	2016-03-01 - 2016-03-04	UNIVERSITY OF DELHI, DELHI	OFFLINE	
ORAL PRESENTATION	ICNIB- 2017	Nanofibers network using 50 keV Ar ⁺ ion irradiation on gallium antimonide surface	2017-10-11 - 2017-10-13	DEVI AHILYA VISHWAVIDYALYA	OFFLINE	
ORAL PRESENTATION	ICNSMD- 2018	Swift Heavy Silver (Ag ⁺) Ion Irradiation Induced Nanodots Formation on GaSb Epi-layer	2018-12-17 - 2018-12-20	UNIVERSITY OF DELHI, DELHI	OFFLINE	
POSTER PRESENTATION	IWPSD- 2015	Optimization of the ammonium sulfide (NH ₄) ₂ S passivation process on GaSb surface	2015-12-07 - 2015-12-09	IISc BANGLORE	OFFLINE	
POSTER PRESENTATION	ICTAM-AMF10 (2016)	Comparative study of wet sulphur passivation process on GaSb surface	2016-11-07 - 2016-11-11	2020-9-25 - 2020-9-27	OFFLINE	
POSTER PRESENTATION	ICTF-2017	Formation of nanodots by swift heavy silver (Ag ⁺) ion irradiation on gallium antimonide (GaSb) surface	2017-11-13 - 2017-11-17	NPL CSIR DELHI	OFFLINE	
POSTER PRESENTATION	IWPSD- 2017	Nanostructure formation by Ar ⁺ ion irradiation on GaSb surface	2017-12-11 - 2017-12-15	IIT DELHI	OFFLINE	
POSTER PRESENTATION	2018 MRS Fall Meeting & Exhibit	Influence of temperature on nanofabrication using swift heavy silver (Ag ⁺) ion irradiation on GaSb	2018-11-25 - 2018-11-30	Boston, MA, USA	OFFLINE	
POSTER PRESENTATION	IEEE-ICEE-2020	Si ion fluence dependence study of surface chemical composition and electrical characteristics on epitaxial GaSb	2020-9-25 - 2020-9-27	IIT DELHI	OFFLINE	
PARTICIPANT	VISITORS PROGRAMME	RECENT ADVANCES IN PHYSICS	2019-2-27	2019-2-27	OFFLINE	

ORGANIZING COMMITTEE	ICNSMD- 2018	Swift Heavy Silver (Ag ⁺) Ion Irradiation Induced Nanodots Formation on GaSb Epi-layer	2018-12-17 - 2018-12-20	UNIVERSITY OF DELHI, DELHI	OFFLINE	
PARTICIPANT	NATIONAL SEMINAR	RECENT TRENDS AND DEVELOPMENT IN NANOMATERIALS	2013-4-12 - 2013-4-13	IIMT ENGINEERING COLLEGE MEERUT	OFFLINE	

ORIENTATION/REFRESHER COURSE / TRAINING / SUMMER SCHOOL/QIP/FIP

TITLE	TYPE OF COURSE	INSTITUTE NAME WITH DETAILS	DURATION (FROM - TO)	MODE
CONTINUING EDUCATION PROGRAMME	NANOMATERIALS, DEVICES, AND CHARACTERIZATION	SOLID STATE PHYSICS LABORATORY DELHI	2016-5-16 - 2016-5-20	OFFLINE
CONTINUING EDUCATION PROGRAMME	OPTOELECTRONIC MATERIALS, AND DEVICES	SOLID STATE PHYSICS LABORATORY DELHI	2013-9-16 - 2013-9-20	OFFLINE

RESEARCH PAPERS IN PEER-REVIEWED JOURNALS

TITLE OF THE PAPER	JOURNAL	VOL ISSUE & PAGE NO.	ISSN NO.	YEAR	UGC/SCOP US/WEB OF SCIENCE APPROVED JOURNALS	NAME OF AUTHOR'S	AUTHOR	LINK OF ARTICLE/PAPER/ABSTRACT
Effects of Si implantation on the surface and electrical characteristics of epitaxial GaSb	Vacuum	198 & 110883	0042207X	2022	YES	Rakesh Kumar Pandey, Puspashree Mishra, Akhilesh Pandey, Satish Kumar , Anshu Goel, Shyama Rath	06	
Field-induced resistance peak in a superconducting niobium thin film proximity coupled to a surface reconstructed SrTiO ₃	NPJ QUANTUM MATERIAL	5 & 45	23974648	2020	YES	Akhilesh Kr. Singh, Uddipta Kar, Matthew D. Redell, Tsung-Chi Wu, Wei-Hsiang Peng, Bipul Das, Satish Kumar , Wei-Cheng Lee, and Wei-Li Lee	09	
2 MeV Argon (Ar ⁺) ion induced nano-fabrication in GaSb epi-layers on GaAs substrates	Vacuum	179 & 109523	0042207X	2020	YES	Satish Kumar, Ajit K. Mahapatro, Puspashree Mishra	03	
Nanofiber Network Formation by 50 keV Ar ⁺ -Ion Irradiation on GaSb Surface	INTEGRATED FEEROELECTRICS	205 & 81-87	1058-4587	2020	YES	Satish Kumar, Aman Arora, Puspashree Mishra & Ajit K. Mahapatro	04	
Comparative study of wet sulfur passivation process on GaSb (100) surface	INTEGRATED FEEROELECTRICS	186 & 77-83	1058-4587	2018	YES	Satish Kumar, Soni Kumari, S. K. Jangir, R. K. Pandey, Anshu Goyal, Garima Upadhyay, Puspashree Mishra, T. Srinivasan & Ajit K. Mahapatro	09	
Mesoporous Structure with Interconnecting Nanofibers by Irradiating Low Energy	IEEE-TNANO	18 & 971-978	1536-125X	2019	YES	Satish Kumar, Puspashree Mishra, Anand Kumar, Anshu Goyal, Sandeep	06	

(~100 keV) Ar ⁺ ions on Gallium Antimonide Epi-layer						Dalal, Ajit K. Mahapatro		
Swift heavy silver (Ag ⁺ 7) ion irradiation induced self assembled nanodots on MBE grown Gallium antimonide (GaSb)	APPLIED SURFACE SCIENCE	462 & 815-821	0169-4332	2018	YES	Satish Kumar, Ajit K. Mahapatro, Puspashree Mishra	03	
Observation of Optical Gain from Aqueous Quantum Well Heterostructures in Water	NANOSCALE LETTERS							

PUBLICATION PROFILE (OTHER THAN RESEARCH PAPERS)

PUBLICATION	TITLE	PUBLISHER/TITLE OF THE CHAPTER	YEAR	ISBN NO	PAGE NO (FROM-TO) IN BOOK CHAPTER	TYPE OF AUTHORSHIP	CO-AUTHORS
BOOK CHAPTER	Introduction to 3D Printing Technology for Biomedical Applications	SPRINGER	2021			FIRST AUTHOR	03

PH.D. SUPERVISION/THESIS SUBMITTED/ONGOING

NAME OF SCHOLAR	TITLE	AWARDED/SUBMITTED /ONGOING	REGISTRATION & LETTER NO	DATE OF ENROLLMENT	DATE OF AWARD	NAME OF SUPERVISOR/ CO-SUPERVISOR

ACADEMIC/ADMINISTRATIVE RESPONSIBILITY

NAME OF DEPARTMENT	DETAILS OF ACTIVITY	DATE (FROM-TO)

AWARDS & FELLOWSHIP

TEACHER RECEIVING AWARD FOR	DATE OF AWARD	PAN	DESIGNATION	NAME OF AWARD, FELLOWSHIP	NAME OF THE AWARDDING AGENCY	IF AWARD WAS IN CASH ENTER AMOUNT	TYPE OF THE INCENTIVE GIVEN BY THE HEI

PATENT'S DETAILS

PATENT APPLICATION NO.	STATUS OF PATENT	INVENTOR'S NAME	TITLE OF PATENT	APPLICANT'S NAME	PATENT FILING DATE	PATENT PUBLISHED DATE / GRANTED DATE	PATENT PUBLICATION NUMBER / PATENT GRANTED NUMBER	ASSIGNEE'S NAME (INSTITUTE AFFILIATION'S AT TIME OF APPLICATION)	SOURCE OF PROOF

RESEARCH PROJECT SPONSORED BY GOVT. AGENCY

NAME OF PRINCIPLE INVESTIGATOR/C O-INVESTIGATOR	NAME OF FUNDING AGENCY	NAME OF PROJECT	MONTH & YEAR OF AWARD	FUND PROVIDED
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DATE :

NAME : DR. SATISH KUMAR

PLACE :