

S.No.	Name of Applicant	Department Name	Category of Applicant	Title of Paper	Category of Award	Eligible/Not eligible	Remark if not eligible
1	RASHI MANN	Applied Physics	Student	TCAD investigation of ferroelectric based substrate MOSFET for digital application	C	Eligible	
2	Prof. Vinod Singh	Applied Physics	Faculty	Key role of Tb ³⁺ doping on structural and photoluminescence properties of Gd ₂ Ti ₂ O ₇ pyrochlore oxide	C	Eligible	
3	Prof. Vinod Singh	Applied Physics	Faculty	Carbon Nanotubes in Emerging Photovoltaics: Progress and Limitations	C	Eligible	
4	Prof. Vinod Singh	Applied Physics	Faculty	Hydrogen induced structural modifications in size selected Pd-Carbon core-shell NPs: Effect of carbon shell thickness, size and pressure	C	Eligible	
5	Prof. Rishu Chaujar	Applied Physics	Faculty	Sensitivity Analysis of Biomolecule Nano-Cavity Immobilization in Dielectric Modulated Triple Hybrid Metal Gate-All-Around Junctionless NWFET Biosensor for Detecting Various Diseases	C	Eligible	
6	Prof. Rishu Chaujar	Applied Physics	Faculty	Numerical investigation and temperature-based analysis of the analog performance of fully gate-covered junctionless FinFET	C	Eligible	
7	Prof. Rishu Chaujar	Applied Physics	Faculty	Compatibility of a Truncated Fin-FinFET as a k-modulated Biosensor with Optimum parameters for Pre-emptive Diagnosis of Diseases	C	Eligible	

8	Samriti Sharma	Applied Physics	Student	Impact of tunnel gate process variations on analog/radio frequency (microwave) and small signal parameters of hetero-material tunneling interfaced charge plasma junctionless tunnel field effect transistor	C	Eligible	
9	Samriti Sharma	Applied Physics	Student	RF, linearity and intermodulation distortion analysis with small-signal parameters extraction of tunable bandgap arsenide/antimonide tunneling interfaced JLTFET	C	Eligible	
10	Samriti Sharma	Applied Physics	0	Influence of source electrode metal work function on polar gate prompted source hole plasma in arsenide/antimonide tunneling interfaced junctionless TFET	C	Eligible	
11	Kailash Chandra	Applied Physics	Student	Structural magnetic properties correlation in Ge doped frustrated Ho ₂ Ti ₂ O ₇ pyrochlore	C	Eligible	Duplicate entry at S. No. 40. Journal of Magnetism and Magnetic Materials, Vol. 561, 1 Nov 2022, Article 169694. Page No. NOT Allocated by the Journal as on 31
12	Prof. Suresh C. Sharma	Applied Physics	Faculty	Investigations on plasma pre-treatment of catalyst film and catalyzed growth of carbon nanotubes	C	Eligible	

13	Prof. Suresh C. Sharma	Applied Physics	Faculty	Impact of plasma process parameters on the growth of vertically aligned carbon nanotube array and its optimization as field emitters	C	Eligible	
14	Prof. Suresh C. Sharma	Applied Physics	Faculty	Plasma-based Nanoarchitectonics for Vertically Aligned Dual -Metal Carbon Nanotube Field Effect Transistor (VA-DMCNFET) Device: Effect of Plasma Parameters on Transistor Properties	C	Eligible	
15	Prof. Rinku Sharma	Applied Physics	Faculty	Strongly coupled plasma effect on excitation energies of O-like ions and photoionization of F-like ions	C	Eligible	
16	Prof. Rinku Sharma	Applied Physics	Faculty	Study of contribution of doubly excited 3d10 configurations in excitation energies and SXR transition data of Fe-like ions	C	Eligible	
17	Richa Pajwar	Applied Physics	Student	Relativistic atomic structure calculations of KIX with plasma parameters	C	Eligible	Duplicate entry at S. No. 42. Physics of Plasmas, Vol. 29, No. 9, Sep 2022, Article No. 092702. Page No. NOT Allocated by the Journal as on 31 Dec 2022.
18	Dr Mukhtiyar Singh	Applied Physics	Faculty	Electronic, thermoelectric, and optical studies of cubic Hf _{1-x} Ti _x O ₂ : An attempt to enhance the key parameters	C	Eligible	
19	Dr Mukhtiyar Singh	Applied Physics	Faculty	A first-principle study of electronic, thermoelectric, and optical properties of sulfur doped c -HfO ₂	C	Eligible	

20	Dr Mukhtiyar Singh	Applied Physics	Faculty	Pressure-induced topological phase transition in XMR material YbAs: a first-principles study	C	Eligible	
21	Vikas	Applied Physics	Student	Spectroscopic Investigations of Dy ³⁺ doped Tungstate Tellurite Glasses for Solid-State Lighting Applications	C	Eligible	
22	Sangeeta	Applied Physics	Student	Realizing high thermoelectric performance in p-type RbZn ₄ P ₃ Zintl compound: a first-principles investigation	C	Eligible	
23	Dr. Bharti Singh	Applied Physics	Faculty	Investigating the role of chalcogen atom in the piezoelectric performance of PVDF/TMDCs based flexible nanogenerator” Energy	C	Eligible	
24	DR. Bharti Singh	Applied Physics	Faculty	Tailoring the Output Performance of PVDF-Based Piezo–Tribo Hybridized Nanogenerators via B, N-Codoped Reduced Graphene Oxide	C	Eligible	
25	DR. Bharti Singh	Applied Physics	Faculty	Recent trends in 2D materials and their polymer composites for effectively harnessing mechanical energy	C	Not Eligible	<p>iScience Open Access, Vol. 25, No. 2, 18 Feb 2022, Article No. 103748. iScience is a Cell Press open access journal. The paper is published in Open Access Journal with APC.</p> <p>Page No. NOT Allocated by the Journal as on 31 Dec 2022.</p>

26	Prof. Ravindra Kumar	Applied Physics	Faculty	Ultrasensitive dual-band terahertz metasurface sensor based on all InSb resonator	C	Eligible	
27	Prof. Ravindra Kumar	Applied Physics	Faculty	Impact of thermal and refractive index tuning on the bandgap and band edges of a silicon photonic crystal waveguide with sensing applications	C	Eligible	
28	Anu	Applied Physics	Student	Structural and luminescence characteristics of thermally stable Dy ³⁺ doped oxyfluoride strontium zinc borosilicate glasses for photonic device applications	C	Eligible	Duplicate entry at S. No. 45. Optics & Laser Technology, Volume 154, October 2022, Article No. 108328 Page No. NOT Allocated by the Journal as on 31 Dec 2022.
29	Prateek Sharma	Applied Physics	Student	Sunlight-driven MoS ₂ nanosheets mediated degradation of dye (crystal violet) for the wastewater treatment	C	Eligible	
30	Bhavya Kumar	Applied Physics	Student	Numerical simulation of analog metrics and parasitic capacitances of GaAs GS-GAA FinFET for ULSI switching applications	C	Eligible	
31	Bhavya Kumar	Applied Physics	Student	Numerical Study of JAM-GS-GAA FinFET: A Fin Aspect Ratio Optimization for Upgraded Analog and Intermodulation Distortion Performance	C	Eligible	

32	Sandeep Sharma	Applied Physics	Student	Energy transfer dynamics in thermally stable Sm ³⁺ / Eu ³⁺ co-doped AEAIBS glasses for near UV triggered photonic device applications	C	Eligible	
33	Megha Sharma	Applied Physics	Student	Design and Investigation of Recessed-T-Gate Double Channel HEMT with InGaN Back Barrier for Enhanced Performance	C	Eligible	
34	Megha Sharma	Applied Physics	Student	Ultrascaled 10 nm T-gate E-mode InAlN / AlN HEMT with polarized doped buffer for high power microwave applications	C	Eligible	
35	Km. Komal	Applied Physics	Student	Improved resistive switching of RGO and SnO ₂ based resistive memory device for non-volatile memory application	C	Eligible	
36	Mukesh Kumar Sahu	Applied Physics	Student	Temperature-dependent photoluminescence and optical thermometry performance in Ca ₃ Bi(PO ₄) ₃ :Er ³⁺ phosphors	C	Eligible	
37	Mukesh Kumar Sahu	Applied Physics		Thermally stable Mn ²⁺ -activated zinc silicate nanophosphor for speedy recognition of high-contrast latent fingerprints	C	Eligible	
38	RAJESH KUMAR	Applied Physics	Student	Carrier concentration mediated enhancement in thermoelectric performance of various polymorphs of hafnium oxide: a plausible material for high temperature thermoelectric energy harvesting application	C	Eligible	

39	Pooja Rohilla	Applied Physics	Student	Synthesis optimisation and efficiency enhancement in Eu ³⁺ doped barium molybdenum titanate phosphors for w-LED applications.	C	Eligible	
40	Kailash Chandra	Applied Physics	Student	Structural magnetic properties correlation in Ge doped frustrated Ho ₂ Ti ₂ O ₇ pyrochlore	C	Eligible	Duplicate of S. No. 11
41	Priyanka	Applied Physics	Student	Effects of impurity factor on the physical and transport properties for Ga _{1-x} Al _x As quantum wire in the presence of Rashba spin-orbit interaction	C	Eligible	duplicate with Sno. 92
42	Richa Paijwar	Applied Physics	Student	Relativistic atomic structure calculations of KIX with plasma parameters	C	Eligible	Duplicate of S. No. 17
43	Prof. Rinku Sharma	Applied Physics	Faculty	Excitation energies, transition data of SXR, HXR, EUV and far-UV spectral lines with partition function, thermodynamic parameters and level population for W LXVII and W XLIX	C	Eligible	
44	Anshu	Applied Physics	Student	In the existence of a transverse dc electric field, the kinetic theory of current-driven electrostatic ion cyclotron waves excitation in a magnetized dusty plasma	C	Eligible	
45	Anu	Applied Physics	Student	Structural and luminescence characteristics of thermally stable Dy ³⁺ doped oxyfluoride strontium zinc borosilicate glasses for photonic device applications	C	Eligible	Duplicate of S. No. 28

46	SWATI AGRAWAL	Applied Physics	Student	Hemodynamic functional connectivity optimization of frequency EEG microstates enables attention LSTM framework to classify distinct temporal cortical communications of different cognitive tasks	C	Not Eligible	Journal named Brain Informatics NOT mentioned in Clarivate Analytics List provided by IRD. Extract from Journal Website: All articles published by the Brain Informatics are made freely and permanently accessible online immediately upon publication, without subscription charges or registration barriers. Brain Informatics therefore levies an article-processing charge of
47	Dr. VINEET SHARMA	Applied Physics	Student	A parallel investigation of un-doped and manganese ion-doped zinc selenide quantum dots at cryogenic temperature and application as an optical temperature sensor	C	Eligible	
48	Ankita Banwal	Applied Physics	Student	Enhanced upconversion luminescence and optical temperature sensing performance in Er ³⁺ doped BaBi ₂ Nb ₂ O ₉ ferroelectric ceramic	C	Eligible	
49	Ankita Banwal	Applied Physics	Student	Thermometric sensing performance in Erbium modified SrBi _{2-x} Nb ₂ Er _x O ₉ ferroelectric ceramic for optoelectronic devices	C	same paper claimed in S. No. 51.	Duplicate (Both the authors claimed same paper separately)
50	Richa Sharma	Applied Physics	Faculty	Influence of calcination and sintering temperature on the microstructure, dielectric, ferroelectric and piezoelectric properties of the lead-free KNN ceramics	C	Eligible	

51	Dr Renuka Bokolia	Applied Physics	Faculty	Thermometric sensing performance in Erbium modified SrBi _{2-x} Nb ₂ Er _x O ₉ ferroelectric ceramic for optoelectronic devices	C	Eligible	same as Sno. 49
52	Dr Renuka Bokolia	Applied Physics	Faculty	Enhanced upconversion luminescence and optical temperature sensing performance in Er ³⁺ doped BaBi ₂ Nb ₂ O ₉ ferroelectric ceramic	C	Eligible	same as sno. 48
53	Jyoti	Applied Physics	Student	Beam-driven whistler mode nonlinear saturation and turbulence in the magnetopause	C	Eligible	
54	Abhishek Bhardwaj	Applied Physics	Student	Effect of carbon shell over NaCrO ₂ core by C ₂ H ₂ decomposition to enhance electrochemical properties for rechargeable Sodium-ion batteries.	C	Eligible	same in serial no. 55
55	Abhishek Bhardwaj	Applied Physics	Student	Effect of carbon shell over NaCrO ₂ core by C ₂ H ₂ decomposition to enhance electrochemical properties for rechargeable Sodium-ion batteries.	C	same paper claimed in S. No. 54.	Duplicate (Both the authors claimed same paper separately)
56	VIJAY SINGH MEENA	Applied Physics	Student	Thermally grown indium (In) thin-film for creating ohmic contact and In-bumps for HgCdTe-based IR detectors	C	Eligible	same as serial no. 59
57	Harpreet Kaur	Applied Physics	Student	Luminescent and colorimetric properties of the sol-gel derived mono-phase Dy ³⁺ doped silicate-based phosphor for w-LED applications	C	Eligible	same as serial no. 77
58	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Spectral characteristics of 3,5-diaminobenzoic acid in pure and mixed solvents: Experimental and theoretical study	C	Eligible	

59	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Thermally grown indium (In) thin-film for creating ohmic contact and In-bumps for HgCdTe-based IR detectors	C	Eligible	Duplicate (Both the authors claimed same paper separately) same paper claimed in S. No. 56.
60	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Spectroscopic investigation on the interaction of direct yellow-27 with protein (BSA)	C	Eligible	
61	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Effect of halide ions on the fluorescence properties of 3-aminoquinoline in aqueous medium	C	Not Eligible	Vol and Issue not assigned
62	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Exploration of grown cobalt-doped zinc oxide nanoparticles and photodegradation of industrial dye	C	Eligible	duplicate with SNO. 97
63	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Reinvestigation on photoluminescence of 7-hydroxyflavone in aqueous medium: Proficient fluorescence enhancement	C	Eligible for certificate only	
64	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Solvatochromism and estimation of ground and excited state dipole moments of 6-aminoquinoline	C	Eligible for certificate only	
65	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Sunlight-driven MoS ₂ nanosheets mediated degradation of dye (crystal violet) for wastewater treatment	C	Eligible for certificate only	
66	Dr. Mohan Singh Mehata	Applied Physics	Faculty	A parallel investigation of un-doped and manganese ion-doped zinc selenide quantum dots at cryogenic temperature and application as an optical temperature sensor	C	Eligible for certificate only	

67	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Photoluminescence turn-off based dual analytes (Hg ²⁺ and Pb ²⁺) sensor in aqueous medium using 3-mercaptoproponic acid protected Mn ²⁺ doped ZnSe quantum dots	C	Eligible for certificate only	
68	Dr. Mohan Singh Mehata	Applied Physics	Faculty	Surface plasmon resonance allied applications of silver nanoflowers synthesized from Breynia vitis-idaea leaf extract	C	Not Eligible	The journal is not mentioned in the DTU list of journals
69	Prof. Nitin K. Puri	Applied Physics	Faculty	Investigation of charge transport mechanism in hydrothermally synthesized reduced graphene oxide (rGO) incorporated zinc oxide (ZnO) nanocomposite films	C	Eligible	
70	Prof. Nitin K. Puri	Applied Physics	Faculty	Electrochemical biosensor utilizing dual-mode output for detection of lung cancer biomarker based on reduced graphene oxide-modified reduced-molybdenum disulfide multi-layered nanosheets	C	Eligible	
71	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Structural and spectroscopic analysis of thermally stable Dy ³⁺ activated Na ₄ Ca ₄ Si ₆ O ₁₈ phosphor for optoelectronic device applications	C	Eligible	
72	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Thermally stable red luminescence from Eu ³⁺ -activated telluro zinc phosphate glass under near-ultraviolet light excitation for photonic applications	C	Eligible	
73	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Structural and color tunable properties in Sm ³⁺ /Eu ³⁺ -doped Ca ₃ Bi(PO ₄) ₃ phosphor for solar cell and w-LED applications	C	Eligible	

74	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Spectroscopic investigations of Dy ³⁺ -doped tungstate-tellurite glasses for solid-state lighting applications	C	Eligible	
75	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	UV excited blue to green emitting Tb ³⁺ -activated sodium calcium metasilicate color tunable phosphor for luminescent devices	C	Eligible for certificate only	same as serial no. 93
76	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Temperature-dependent photoluminescence and optical thermometry performance in Ca ₃ Bi(PO ₄) ₃ : Er ³⁺ phosphors	C	Eligible for certificate only	
77	Dr. M. JAYASIMHADRI	Applied Physics	Faculty	Luminescent and colorimetric properties of the sol-gel derived mono-phase Dy ³⁺ -doped silicate-based phosphor for w-LED applications	C	Eligible for certificate only	same as sno. 57
78	Rajat Bajaj	Applied Physics	Student	Photoluminescence down-shifting studies of thermally stable Eu ³⁺ ions doped borosilicate glasses for visible red photonic device applications	C	Eligible	
79	Ravita	Applied Physics	Student	Effective sensitization of Eu ³⁺ visible red emission by Sm ³⁺ in thermally stable potassium zinc alumino borosilicate glasses for photonic device applications	C	Eligible	
80	Ravita	Applied Physics	Student	Color tunable photoluminescence in KZABS: Tm ³⁺ glasses under different sources of excitation for photonic applications	C	Eligible	

81	Mansha Kansal	Applied Physics	Student	Exploration of Novel Hafnium Oxide (HfO ₂) Based Plasma-Assisted Gate All Around Carbon Nanotube FET (GAA-CNTFET) for High Sensing Applications	C	Eligible	
82	Mansha Kansal	Applied Physics	Student	Performance Evaluation & Linearity Distortion Analysis for Plasma- Assisted Dual-Material Carbon Nanotube Field Effect Transistor with a SiO ₂ -HfO ₂ Stacked Gate-Oxide Structure (DM-SGCNFET)	C	Eligible	
83	Rajat Bajaj	Applied Physics	Student	Down-shifting photoluminescence studies of thermally stable Dy ³⁺ ions doped borosilicate glasses for optoelectronic device applications	C	Eligible	
84	Vidhi	Applied Physics	Student	Spectroscopic characterizations of Dy ³⁺ ions doped phosphate glasses for epoxy-free white LED applications.	C	Eligible	
85	Yasha Tayal	Applied Physics	Student	Photoluminescence characteristics of Sm ³⁺ /Eu ³⁺ co-doped LPZABS glasses for solar cell Applications	C	Eligible	
86	Prof. A. S. Rao	Applied Physics	Faculty	Linear and non-linear photoluminescence studies of Ho ³⁺ /Yb ³⁺ co-doped titanate phosphors for photonic applications	C	Eligible	
87	A.S. Rao	Applied Physics	Faculty	Tunable photoluminescence studies of KZABS: RE ³⁺ (RE ³⁺ = Tm ³⁺ , Tb ³⁺ and Sm ³⁺) glasses for w-LEDs based on energy transfer	C	Eligible	

88	Prof.A.S. Rao	Applied Physics	Faculty	Photoluminescence downshifting studies of thermally stable Dy ³⁺ ions doped phosphate glasses for photonic device applications	C	Eligible for certificate only	
89	ANCHALI JAIN	Applied Physics	Student	Effect of Cr doping on Li ₂ ZnTi ₃ O ₈ as alternative anode material to enhance electrochemical properties of lithium-ion batteries	C	Eligible	
90	Mohit Kumar	Applied Physics	Student	Downshifting analysis of Sm ³⁺ /Eu ³⁺ co-doped LiBiAlBSi glasses for red emission element of white LEDs	C	Eligible	
91	Yash Pathak	Applied Physics	Student	Detection of biomolecules in dielectric modulated double metal below ferroelectric layer FET with improved sensitivity	C	Eligible	
92	Priyanka	Applied Physics	Student	Effects of impurity factor on the physical and transport properties for Ga _{1-x} Al _x As quantum wire in the presence of Rashba spin-orbit interaction	C	Eligible	
93	Deepali	Applied Physics	Student	UV-excited blue- to green-emitting Tb ³⁺ -activated sodium calcium metasilicate colour tunable phosphor for luminescence devices	C	Eligible	same as Sno. 75
94	Abhishek Bhardwaj	Applied Physics	Student	Synthesis and Electrochemical Performance of Acetylene Gas Decomposed Fe-Based Layered Oxide Cathode Material for Sodium-Ion	C	Not Eligible	JER is not listed in DTU journal list

95	Yash Pathak	Applied Physics	Student	Analog/RF Performance and Effect of Temperature on Ferroelectric Layer Improved FET device with Spacer	C	ELIGIBLE	
96	Shruti Sharma	Applied Physics	Student	Effect of Plasma Control Parameters on the Growth of Nitrogen - Doped Nanocene - Vertical Graphene Hybrid : Theoretical Investigations	C	ELIGIBLE	
97	Deepak Kumar	Applied Physics	Student	Exploration of grown cobalt-doped zinc oxide nanoparticles and photodegradation of industrial dye	C	Eligible	duplicate with Sno. 62