

CURRICULUM VITAE

Dr. Rajesh Punia

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Department of Physics


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 FOLLOWING

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| Citations | 1972 | 1736 |
| h-index | 26 | 24 |
| i10-index | 56 | 53 |

EDUCATIONAL QUALIFICATIONS

Ph.D. in Physics

Topic: "Study of electronic transport properties of some modified semiconductors"

Department of Applied Physics, **GJUS&T**, Hisar.

M. Sc. in Physics

Department of Physics & Astrophysics,

University of Delhi, Delhi.

FELLOWSHIPS / AWARDS / ACADEMIC ACHIEVEMENTS

- Merit scholarship at 10th level.
 - CSIR-JRF qualified (Dec. 2002 & Dec. 2003).
 - GATE Qualified in 2003.
 - Qualified several competitive exams like DRDO, BARC, JEST etc.
 - 1st position in M Sc (Physics) entrance examination of MDU, Rohtak held in 2000.
 - 2nd position in M Sc (Physics) entrance examinations of University of Delhi, Delhi held in 2001.
 - 1st position in Training course on "*Radiological Safety Aspects in the Research Application of Ionising Radiation*" from May 21-29, 2012 organized by
- CV of Dr. Rajesh Punia* *Page 1 of 25*

Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai in collaboration with *Indian Association for Radiation Protection*.

FOREIGN VISITS

- Training Course and Seminar on *Broadband Dielectric and Impedance Spectroscopy and Its Applications* (Advanced course) by *Novocontrol Technologies* under the guidance of *Prof. B. Roling and Prof. F. Kremer* in *Department of Chemistry, University of Marburg, Marburg, Germany* from September 25-27, 2013.
- Seminar on *Capacity Building for excellence in Higher Education in Bangkok, Thailand* from June 22-26, 2014.

SOCIO-ACADEMIC ACHIEVEMENTS

- **President**, Guru Jambheshwar University Teacher's Association, GJUS&T, Hisar consecutively two times in 2006 & 2007.
- **President**, Guru Jambheshwar University of Science & Technology Teacher's Association, GJUS&T, Hisar in 2012.
- **Elected Member**, Executive Council, MDU, Rohtak July 2017 to July 2019.

ADMINISTRATIVE EXPERIENCE

- *Hostel Warden*, Boys Hostel no. 2, GJUS&T, Hisar from April 2006 to December 2006.
- *Member, Standing Purchase Committee*, GJUS&T, Hisar from Dec. 2005 to Dec. 2007.
- *Member, Library Purchase Committee*, GJUS&T, Hisar from Nov. 2006 to Nov. 2007.
- *Member, House Allotment Committee*, GJUS&T, Hisar from Sept. 2006 to Nov. 2008 and Sept. 2012 to Oct. 2013.
- *Assistant Coordinator, Technical Education Quality Improvement Programme - II*, GJUS&T, Hisar from April 2013 to April 1, 2015.

- *Member, Board of Post – graduate Studies*, Department of Applied Physics, GJUS&T, Hisar from Dec. 2012 to Jan. 2014.
- *Member, Board of Under – graduate Studies*, Department of Applied Physics, GJUS&T, Hisar from March 2013 to January 2014.
- *Member, Board of Studies*, Department of Applied Physics, GJUS&T, Hisar from August 2014 to April 1, 2015.
- *Radiation Safety Officer*, GJUS&T, Hisar from Dec. 09, 2014 to April 1, 2015.
- *Subject expert* and member of *Selection Committee* for the post of *Lecturer in Physics* for *PG classes* and *Lecturer in Electronics* for *UG classes* in AI Jat Heroes' Memorial College, Rohtak.
- *Subject expert* and member of *Selection Committee* for the post of *Lecturer in Physics* for *UG classes* in Matu Ram Institute of Technology, Rohtak.
- *Chairperson*, Department of Physics, IGU, Meerpur, Rewari from April 15, 2015 to July 15, 2015 and August 28, 2015 to March 31, 2016.
- *Chairperson*, Department of Chemistry, IGU, Meerpur, Rewari from July 15, 2015 to March 31, 2016.
- *Member, Central Purchase Committee*, IGU, Meerpur, Rewari from May 25, 2015 to March 31, 2016.
- *Director Youth Welfare*, IGU, Meerpur, Rewari from April 8, 2015 to March 31, 2016.
- *Director Sports*, IGU, Meerpur, Rewari from April 8, 2015 to August 31, 2015.
- *Secretary to Vice-Chancellor, IGU, Meerpur, Rewari* from July 31, 2015 to March 31, 2016.
- *Deputy Director*, Directorate of Distance Education, GJUS&T, Hisar from Sept. 15, 2016 to Feb. 08, 2017.
- *Liaisoning Officer*, GJUS&T, Hisar from Feb. 08, 2017 to March 13, 2017.
- *Member, Board of Post – graduate Studies* in Department of Physics, MDU, Rohtak from June 2017 to Sept. 09, 2019.

- *Member, Board of Under - graduate Studies* in Department of Physics, MDU, Rohtak from June 2017 to Sept. 09, 2019.
- *Chairperson*, Department of Physics, CRS University, Jind *from* Sept. 10, 2019 to Oct. 05, 2020.
- *Dean*, Faculty of Physical Sciences, CRS University, Jind from Sept. 10, 2019 to June 09, 2020.
- *Dean of Colleges*, CRS University, Jind from Sept. 10, 2019 to Oct. 09, 2020.
- *Director, IQAC*, CRS University, Jind from Sept. 18, 2019 to Feb. 15, 2021.
- *Member, Executive Council*, CRS University, Jind from Sept 2019 to June 09, 2020.
- *Chairperson, Board of Post - graduate Studies* in Department of Physics, CRS University, Jind from Sept. 10, 2019 to June 09, 2020.
- *Chairperson, Board of Under - graduate Studies* in CRS University, Jind from Sept. 10, 2019 to June 09, 2020.
- *Member (Chancellor's Nominee), Executive Council*, Chaudhary Devi Lal University, Sirsa, Haryana from January 2020 to March 2021.
- *Member (Chancellor's Nominee), Executive Council*, Chaudhary Bansi Lal University, Bhiwani, Haryana from August 2020 to till date.
- *Member (Chancellor's Nominee), Executive Council*, Guru Jambheshwar University of Science & Technology, Hisar, Haryana from Oct. 2020 to Feb. 2021.
- **Chancellor's nominee** in Selection Committee, Indira Gandhi University, Meerpur, Rewari from January 2020 to till date.
- *Registrar*, CRS University, Jind from December 20, 2019 to Feb. 15, 2021.
- *Member, Board of Post - graduate Studies* in Department of Physics, MDU, Rohtak from Feb. 2021 to till date.
- *Member, Board of Under - graduate Studies* in Department of Physics, MDU, Rohtak from Feb. 2021 to till date.
- *Member, Faculty of Physical Sciences*, MDU, Rohtak from Feb. 2021 to till date.

- *Member, Academic Council, MDU, Rohtak from Feb. 2021 to till date.*

RESEARCH PROJECTS

- Completed three Research Projects including a project from BRNS, BARC, Mumbai.

RESEARCH GUIDANCE

- 08 students have been successfully guided for award of Ph.D. degree.
- 06 students are presently registered for award of Ph.D. degree.

RESEARCH PUBLICATIONS

A. PATENT

- (i) Indian Patent entitled “**PROCESS FOR PREPARING OXYFLUORIDE LITHIUM ZINC BOROSILICATE GLASSES DOPED WITH DY³⁺ IONS**” has been awarded vide Patent no. 364481 dated April 12, 2021.

B. Book Chapters:

| S. No. | Publication |
|--------|---|
| 4 | Richa, Parveen Kumar, Preeti Sharma, Rajesh Punia ; <i>Challenges and future prospects in bio-electrochemical sensors. Multifaceted Bio-sensing Technology</i> (Accepted 2022). (Publisher: Elsevier). |
| 3 | Preeti Redhu, Preeti sharma, Geeta Sharma, Manju Bala, Rajesh Punia ; <i>Sensors: Introduction and classification. Multifaceted Bio-sensing Technology</i> (Accepted – 2022). (Publisher: Elsevier). |
| 2 | Preeti Sharma, Geeta Sharma, Rajesh Punia ; <i>Graphene: A prime choice for ceramic composites. Advanced Ceramics for Versatile Interdisciplinary Applications</i> 417-435 (2022). (Publisher: Elsevier). |
| 1 | Poonam Punia, Rajesh Punia ; <i>Post COVID-19 Challenges in Higher Education. Managing Education: Post Covid Challenges & Opportunities</i> 197-204 (2021). (Publisher: Haryana State Higher Education Council). |

C. RESEARCH PAPERS

(i) **International Journals**

(a) *Published:* 112

(b) *Under review:* 03

(ii) **National Journals**

(a) *Published:* 01

| S.No. | Publication | Impact factor |
|-------|--|---------------|
| 113 | Jyoti Ahlawat, Suman Pawaria, Nisha Deopa, Sajjan Dahiya, Rajesh Punia , AS Maan; <i>Structural and Optical Characterization of IR transparent Semiconducting Sodium Modified Zinc Borate Glassy System. Applied Physics A (Accepted 2022). (Publisher: Springer International Publishing).</i> | 2.983 |
| 112 | Suman Pawaria, Manju Bala, Harshvardhan Duhan, Nisha Deopa, Sajjan Dahiya, Anil Ohlan, Rajesh Punia , AS Maan; <i>Study of crystallization and glass transition kinetics of bismuth-modified zinc vanadate glasses by non-isothermal method. Journal of Thermal Analysis and Calorimetry, 1-12 (2022) (Publisher: Springer International Publishing).</i> | 4.755 |
| 111 | Suman Pawaria, Jyoti Ahlawat, Manju Bala, Sajjan Dahiya, Anil Ohlan, R Punia , AS Maan; <i>Structural and Optical characterization of Semiconducting Lithium Modified Zinc Borate Glassy System for UV Band Reject Filter. Journal of Molecular Structure 1270, 133836 (2022) (Publisher: Elsevier).</i> | 3.841 |
| 110 | Sunil Agrohiya, Vipin Kumar, Ishpal Rawal, Sajjan Dahiya, Parveen K Goyal, Vinod Kumar, Rajesh Punia ; <i>Fabrication of n-TiO₂/p-Si</i> | 2.941 |

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|-----|---|-------|
| | <i>Photo-Diodes for Self-Powered Fast Ultraviolet Photodetectors. Silicon 1-11 (2022). (Publisher: Springer).</i> | |
| 109 | Ashima Makhija, R Punia , Sajjan Dahiya, Anil Ohlan, AS Maan; <i>Development trends of rare-earth luminescence: A bibliometric analysis. Materials Today: Proceedings (2022). (Publisher: Elsevier).</i> | |
| 108 | Anjali Gupta, Silki Sardana, Sajjan Dahiya, Rajesh Punia, A.S. Maan, Kuldeep Singh, Rahul Tripathi, Anil Ohlan; <i>Binder-free polypyrrole/fluorinated graphene nanocomposite hydrogel as a novel electrode material for highly efficient supercapacitors. Applied Surface Science Advances 11, 100297 (2022). (Publisher: Elsevier).</i> | |
| 107 | Manjeet, A.Kumar, Anu, Ravina, Nisha Deopa, Anand Kumar, R.P.Chahal, S.Dahiya, R Punia , A.S.Rao; <i>Structural, thermal, optical and luminescence properties of Dy³⁺ ions doped Zinc Potassium Alumino Borate glasses for optoelectronics applications. Journal of Non-Crystalline Solids 588, 121613 (2022). (Publisher: Elsevier).</i> | 4.458 |
| 106 | A Kumar, MK Sahu, S Dahiya, Nisha Deopa, Anand Malik, R Punia , AS Rao; <i>Spectral characteristics of Tb³⁺ doped ZnF₂-K₂O-Al₂O₃-B₂O₃ glasses for epoxy free tricolor w-LEDs and visible green laser applications. Journal of Luminescence 244, 118676 (2022). (Publisher: Elsevier).</i> | 4.171 |
| 105 | Priyanka Sehrawat, RK Malik, R Punia , Sanjeev Maken, Neelam Kumari; <i>Ecofriendly synthesis and white light-emitting properties of BaLa₂ZnO₅: Dy³⁺ nanomaterials for lighting application in NUV-WLEDs and solar cells. Chemical Physics Letters 792, 139399 (2022). (Publisher: Elsevier).</i> | 2.719 |

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| 104 | Priyanka Sehrawat, R. K. Malik, R Punia , Neelam Kumari; <i>Design of Bright-Green Radiating Er³⁺-Singly Activated Zincate-Based Nanomaterials for High-Performance Optoelectronic Devices</i> . Journal of Electronic Materials 51 (1), 391-402 (2022). (Publisher: Springer). | 2.047 |
| 103 | Priyanka Sehrawat, Rajesh Kumar Malik, Rajesh Punia , Monika Sheoran, Manisha Bedi, and Hina Dalal; <i>Low-Cost Combustion Synthesis, Spectroscopic and Optoelectronic Analysis of Novel Ba₂YAlO₅:Er³⁺ Nanomaterials for Competent Illumination Applications</i> . Trans. Ind. Ceram. Soc. , 80 (4) 1-8 (2021). (Publisher: Taylor & Francis). | 2.355 |
| 102 | Priyanka Sehrawat, R. K. Malik, R. Punia , Monika Sheoran, Hina Dalal; <i>Opto-Electronic and Crystallographic Analysis of Orangish-Red Radiating Ba₂YAlO₅:Sm³⁺ Nanomaterials for Potential wLED Applications</i> . Journal of Electronic Materials 50, 6964–6973 (2021). (Publisher: Springer). | 2.047 |
| 101 | R Punia , Sajjan Dahiya, S Murugavel, N Kishore, R P Tandon; <i>Understanding the electrode polarization in bismuth zinc vanadate semiconducting glasses from dielectric spectroscopy: A new insight on electrode polarization effect</i> . Journal of Non-Crystalline Solids 574, 121174 (2021). (Publisher: Elsevier). | 4.458 |
| 100 | Priyanka Sehrawat, R K Malik, R Punia , Monika Sheoran, Sonika Singh, Mukesh Kumar; <i>New Ba₂YAlO₅:Dy³⁺ nanomaterials for WLEDs: Propellant combustion synthesis and photometric features for enhanced emission of cool-white light under NUV excitation</i> . Chemical Physics Letters 781, 138985 (2021). (Publisher: Elsevier). | 2.719 |

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| 99 | Priyanka Sehrawat, R. K. Malik, R. Punia , and Sanjeev Maken; <i>Optimizing the highly efficient cool-white luminescence via modulating Dy³⁺ ion into novel Sr₆Al₄Y₂O₁₅ nanocrystals for white LEDs.</i> Journal of Materials Science: Materials in Electronics 32(18) , 23486–23499 (2021). (Publisher: Springer). | 2.779 |
| 98 | Priyanka Sehrawat, R.K. Malik, R. Punia , Monika Sheoran, Mukesh Kumar, Sanjeev Maken; <i>Near unity green emission with radiative and non-radiative itemization into novel energy-efficient Sr₆Al₄Y₂O₁₅:Er³⁺ nanomaterials for WLEDs.</i> Chemical Physics Letters 781 , 139013(2021). (Publisher: Elsevier). | 2.719 |
| 97 | J Dalal, S Malik, S Dahiya, R Punia , K Singh, A S Maan, S K Dhawan, Anil Ohlan; <i>One pot synthesis and electromagnetic interference shielding behavior of reduced graphene oxide nanocomposites decorated with Ni_{0.5}Co_{0.5}Fe₂O₄ nanoparticles.</i> Journal of Alloys and Compounds , 161472 (2021). (Publisher: Elsevier). | 6.371 |
| 96 | P Sehrawat, R K Malik, R Punia , S P Khatkar, V B Taxak; <i>Augmenting the photoluminescence efficiency via enhanced energy-relocation of new white-emanating BaYAlZn₃O₇: Dy³⁺ nano-crystalline phosphors for WLEDs.</i> Journal of Alloys and Compounds 879 , 160371 (2021). (Publisher: Elsevier). | 6.371 |
| 95 | P Sehrawat, R K Malik, R Punia , N Kumari; <i>Crystal configuration, luminescence dynamics and facile combustion-fabrication of high-brightness YAG: Sm³⁺ nanomaterials towards competent illuminating appliances, especially WLEDs and solar-cells.</i> Chemical Physics Letters 779 , 138831 (2021). (Publisher: Elsevier). | 2.719 |

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| 94 | P Sehrawat, R K Malik, M Sheoran, R Punia ; <i>Generation of cost-effective conventional-combustion derived novel green-luminous BaLa₂ZnO₅: Er³⁺ nanomaterials for high quality illumination in WLEDs and solar-cells. Chemical Physics Letters 777, 138752 (2021). (Publisher: Elsevier).</i> | 2.719 |
| 93 | P Sehrawat, R K Malik, R Punia , S P Khatkar, V B Taxak; <i>Probing into multifunctional deep orange-red emitting Sm³⁺-activated zincate based nanomaterials for wLED applications. Chemical Physics Letters 777, 138743 (2021). (Publisher: Elsevier).</i> | 2.719 |
| 92 | M Bala, S Pawaria, N Deopa, S Dahiya, A Ohlan, R Punia , A S Maan; <i>Structural, optical, thermal and other physical properties of Bi₂O₃ modified Lithium Zinc Silicate glasses. Journal of Molecular Structure 1234, 130160 (2021). (Publisher: Elsevier).</i> | 3.841 |
| 91 | P Sehrawat, R K Malik, R Punia , M Sheoran, N Kumari, S P Khatkar, V B Taxak; <i>Luminescence tuning and structural analysis of new BaYAlZn₃O₇: Sm³⁺ nanomaterials with excellent performance for advanced optoelectronic appliances. Journal of Materials Science: Materials in Electronics, 1-14 (2021). (Publisher: Springer).</i> | 2.779 |
| 90 | P Sharma, G Sharma, R Punia ; <i>Synthesis of graphene from activated carbon at liquid nitrogen temperature and its detailed structural analysis. Applied Physics A 127 (5), 1-7 (2021). (Publisher: Springer).</i> | 2.983 |
| 89 | N Deopa, M K Sahu, Sumandeep Kaur, Aman Prasad, K Swapna, Vinay Kumar, R Punia , A S Rao; <i>Enhanced visible green and 1.5 μm radiative emission of Er³⁺ ions in Li₂O-PbO-Al₂O₃-B₂O₃ glasses for photonic applications. Journal of Rare Earths 39 (5), 520-525 (2021). (Publisher: Elsevier).</i> | 4.632 |

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| 88 | P Redhu, P Sharma, A Hooda, A Singh, G Sharma, R Punia ; <i>Role of charge compensation mechanism and defect dipoles on properties of Mn doped BCT ceramics. Ceramics International</i> 47 (8), 11491-11505 (2021). (Publisher: Elsevier). | 5.532 |
| 87 | A Kumar, P Sharm, J Pal, A Singh, RS Kundu, R Punia ; <i>Investigation on Multiferroic Properties and Conduction Mechanism in Cobalt Doped Bi_{0.9}Nd_{0.1}FeO₃ Solid Solutions. Transactions of the Indian Ceramic Society</i> 80 (2), 142-149 (2021). (Publisher: Taylor & Francis). | 2.355 |
| 86 | A Kumar, V Kumar, M K Sahu, S Dahiya, N Deopa, R Punia , AS Rao; <i>Physical, structural and optical characterization of Dy³⁺ doped ZnF₂-WO₂-B₂O₃-TeO₂ glasses for opto-communication applications. Optical Materials</i> 114 , 110937 (2021). (Publisher: Elsevier). | 3.754 |
| 85 | V Kumar, S Dahiya, N Deopa, R Punia , A S Rao; <i>Judd-Ofelt itemization and influence of energy transfer on Sm³⁺ ions activated B₂O₃-ZnF₂-SrO-SiO₂ glasses for orange-red emitting devices. Journal of Luminescence</i> 229 , 117651 (2021). (Publisher: Elsevier). | 4.171 |
| 84 | P Redhu, A Hooda, P Sharma, S Dahiya, R Punia , RP Tandon; <i>Study of energy storage and electrocaloric behavior of lead-free Fe-doped BCT ceramics. Ferroelectrics</i> 569 (1), 136-147 (2020). (Publisher: Taylor & Francis.) | 0.695 |
| 83 | M Bala, S Agrohiya, S Dahiya, A Ohlan, R Punia , AS Maan; <i>Effect of replacement of Bi₂O₃ by Li₂O on structural, thermal, optical and other physical properties of zinc borate glasses. Journal of Molecular Structure</i> 1219 , 128589 (2020). (Publisher: Elsevier). | 3.841 |
| 82 | Z Usmani, M Sharma, Y Karpichev, A Pandey, R C Kuhad, Rajeev Bhat, Rajesh Punia , Mortaza Aghbashlo, Meisam Tabatabaei, Vijai | 16.799 |

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| | Kumar Gupta; <i>Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. Renewable and Sustainable Energy Reviews</i> 131 , 109965 (2020). (Publisher: Elsevier). | |
| 81 | A Kumar, M K Sahu, P R Rani, N Deopa, R Punia , AS Rao; <i>Judd-Ofelt parameterization and luminescence characterization of Dy³⁺ doped oxyfluoride lithium zinc borosilicate glasses for lasers and w-LEDs. Journal of Non-Crystalline Solids</i> 544 , 120187 (2020). (Publisher: Elsevier). | 4.458 |
| 80 | K Nanda, R S Kundu, R Punia , D Mohan, N Kishore; <i>Resonant and Non-resonant nonlinear optical properties of Er³⁺ modified BaO-ZnO-B₂O₃ Glasses at 532 and 1550 nm. Journal of Non-Crystalline Solids</i> 541 , 120155 (2020). (Publisher: Elsevier). | 4.458 |
| 79 | P Redhu, R Punia , A Hooda, BP Malik, G Sharma, P Sharma; <i>Correlation between multifunctional properties of lead free iron doped BCT perovskite ceramics. Ceramics International</i> 46 (11), 17495-17507 (2020). (Publisher: Elsevier). | 5.532 |
| 78 | A Gupta, S Sardana, J Dalal, S Lather, A S Maan, R Tripathi, R Punia , Kuldeep Singh, Anil Ohlan; <i>Nanostructured Polyaniline/Graphene/Fe₂O₃ Composites Hydrogel as a High-Performance Flexible Supercapacitor Electrode Material. ACS Applied Energy Materials</i> 3 (7), 6434-6446 (2020). | 6.959 |
| 77 | N Deopa, M K Sahu, P R Rani, R Punia , A S Rao; <i>Realization of warm white light and energy transfer studies of Dy³⁺/Eu³⁺ co-doped Li₂O-PbO-Al₂O₃-B₂O₃ glasses for lighting applications. Journal of Luminescence</i> 222 , 117166 (2020). (Publisher: Elsevier). | 4.171 |

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| 76 | S Kumar, P Kumar, K Bhatt, S Shrivastva, A Kumar, R Singh, R Punia , Chandra Charu Tripathi; <i>Impact of Triple Roll Milling Processing Parameters on Fluidic/Rheological and Electrical Properties of Aqueous Graphene Ink. Advanced Engineering Materials 22 (4), 1901187 (2020)</i> | 4.122 |
| 75 | Neelam Berwal, N. Ahlawat, D. Mohan, Anil Ohlan, R. Punia , N. Kishore; <i>Study of vibrational spectroscopy, linear and non-linear optical properties of borate modified tellurium - silica- bismuthate glasses. Indian J Phys 94(10):1643–1652 (2020). (Publisher: Springer).</i> | 1.778 |
| 74 | K Singh, A Chauhan, M Mathew, R Punia , R S Kundu; <i>Electrical and optical properties of InGaN/GaN MQWs light-emitting diodes with Ni/Au/ITO transparent p-contacts. Indian J Phys 94 (2), 183-187 (2020). (Publisher: Springer).</i> | 1.778 |
| 73 | S Kaushik, R Punia , A Tyagi; <i>Study of Dosimetric Properties of Flattening Filter Free Photon Beam Passing through Cadmium Free Compensator Alloy. Journal of biomedical physics & engineering 9 (6), 647 (2019).</i> | - |
| 72 | A Kumar, P Sharma, S Kumar, A Singh, RS Kundu, R Punia ; <i>Effect of Diamagnetic Ion Substitution on Structural and Magnetic Properties of Nd³⁺ Modified Solid Solutions. Integrated Ferroelectrics 203 (1), 176-182 (2019).</i> | 0.836 |
| 71 | Preeti Sharma, Neelam Berwal, N Ahlawat, AS Maan, R Punia ; <i>Study of structural, dielectric, ferroelectric and magnetic properties of vanadium doped BCT ceramics. Ceramics International 45 (16), 20368-20378 (2019). (Publisher: Elsevier).</i> | 5.532 |

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| 70 | Suman Kumari, Sanket Malik, Sandeep Kumar, Jasvir Dalal, Sajjan Dahiya, Anil Ohlan, Rajesh Punia , and A. S. Maan; <i>Excellent photoelectrical properties of ZnO thin film based on ZnO/epoxy-resin ink for UV-light detectors. AIP Conference Proceedings 2142, 120004 (2019). (Publisher: American Institute of Physics).</i> | - |
| 69 | Sanket Malik, Suman Kumari, Anil Ohlan, Sajjan Dahiya, Rajesh Punia , and A. S. Maan; <i>Synthesis and structural characterization of light-weight ferrite-reduced graphene oxide composite. AIP Conference Proceedings 2142, 160004 (2019). (Publisher: American Institute of Physics).</i> | - |
| 68 | Neelam Berwal, N. Ahlawat, Devendra Mohan, R. Punia , and N. Kishore; <i>Non-linear optical properties of SiO₂ modified Bi₂O₃-TeO₂-B₂O₃ glass system. AIP Conference Proceedings 2142, 140025 (2019). (Publisher: American Institute of Physics).</i> | - |
| 67 | Kirti Nanda, R. S. Kundu, R. Punia , Sarita Sharma, and N. Kishore; <i>Judd-Ofelt intensity parameters of Nd³⁺ ions doped in BaO-ZnO-B₂O₃ glasses. AIP Conference Proceedings 2142, 070019 (2019). (Publisher: American Institute of Physics).</i> | - |
| 66 | Anil Kumar, Jasvir Dalal, Sajjan Dahiya, Amal Chowdhury, A. Khandual, Anil Ohlan, Rajesh Punia, and A. S. Maan; <i>Coating of multi-walled carbon nanotubes on cotton fabric via conventional dyeing for enhanced electrical and mechanical properties. AIP Conference Proceedings 2142, 140019 (2019). (Publisher: American Institute of Physics).</i> | - |
| 65 | K Nanda, RS Kundu, R Punia , D Mohan, N Kishore; <i>Linear and nonlinear optical characterization of neodymium doped barium-zinc-borate</i> | - |

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| | <i>glasses. AIP Conference Proceedings 2115, 030266 (2019). (Publisher: American Institute of Physics).</i> | |
| 64 | Kuldip Singh, Ashok Chauhan, Manish Mathew, Rajesh Punia , Rajender Singh Kundu; <i>Effects on electrical and optical properties of InGaN/GaN MQWs light-emitting diodes using Ni/ITO transparent p-contacts on p-GaN. Journal of Optics 48(2):240-245 (2019). (Publisher: Springer).</i> | - |
| 63 | Kuldip Singh, Ashok Chauhan, Manish Mathew, Rajesh Punia , Sher Singh Meena, Nidhi Gupta, Rajender Singh Kundu; <i>Formation of non-alloyed Ti/Al/Ni/Au low-resistance ohmic contacts on reactively ion-etched n-type GaN by surface treatment for GaN light-emitting diodes applications. Applied Physics A 125:24 (2019) (Publisher: Springer).</i> | 2.983 |
| 62 | Sheetal Malik, Anil Ohlan, A. S. Maan, S. Lahon, Manoj Malik, R. Punia , Sajjan Dahiya; <i>Influence of hydrostatic pressure and spin orbit interaction on optical properties in quantum wire. Physica B: Condensed Matter 552 202-208 (2019). (Publisher: Elsevier).</i> | 2.988 |
| 61 | Sandeep Kaushik, Rajesh Punia , Anand Malik, and Atul Tyagi; <i>Effect of scattering and differential attenuation on beam profile in presence of high density intensity modifying compensator. Journal of Cancer Research and Therapeutics 15 (8), 110 (2019). (Publisher: Medknow Publications).</i> | 1.331 |
| 60 | Anil Kumar, Jasvir Dalal, Sajjan Dahiya, Rajesh Punia , K. D. Sharma, Anil Ohlan, A. S. Maan; <i>In situ Decoration of Silver Nanoparticles on Single-walled Carbon Nanotubes by Microwave Irradiation for Enhanced and Durable Anti-bacterial Finishing on Cotton Fabric Ceramics International 45 1011-1019 (2019). (Publisher: Elsevier).</i> | 5.532 |

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(Rajesh Punia)

Rohtak