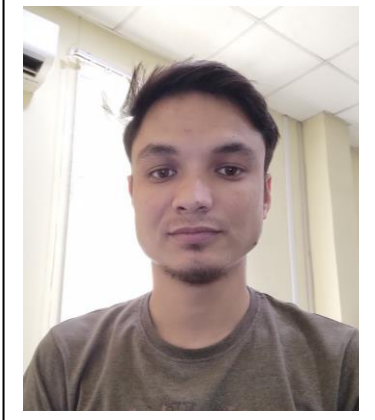


## CURRICULUM VITAE

<b>Name</b>	Dr. Deepak Negi		
<b>Department</b>	Physics		
<b>Designation</b>	Assistant Professor		
<b>Mobile</b>	8954358721		
<b>Email</b>	<i>deepakn075@gmail.com</i>		
<b>Educational Qualification</b>	Doctor of Philosophy (Ph.D.)		
<b>Areas of Interest/ Specialization</b>	Nanostructured thin films; Structural, optical and luminescent properties of high k-oxides; Swift Heavy Ion irradiation, Ion implantation;		
<b>Teaching Experience</b>	6 months	<b>Research Experience</b>	
<b>Administrative Experience:</b>			

- **Research Publications:**

- **Journal**

1. **Deepak Negi**, Radhe Shyam, Pargam Vashishtha, Govind Gupta, Fouran Singh, Srinivasa Rao Nelamarri, "Impact of high energy ion irradiation on structural, morphological, optical and photoluminescence properties of MgTiO<sub>3</sub> thin films", **Journal of Luminescence** 249 (2022) 119051. doi: 10.1016/j.jlumin.2022.119051.
2. **Deepak Negi**, Radhe Shyam, Komal Shekhawat, Subingya Pandey, Pamu Dobbidi, Pargam Vashishtha, Govind Gupta, Devarani Devi, Fouran Singh, Srinivasa Rao Nelamarri, "Cobalt ion implantation assisted modifications in luminescence, surface states, structural and morphological properties of MgTiO<sub>3</sub> thin films", **Applied Physics A** 129 (2023) 389. doi: 10.1007/s00339-023-06653-7.
3. **Deepak Negi**, Radhe Shyam, Komal Shekhawat, Pargam Vashishtha, Govind Gupta, Mukul Gupta, Srinivasa Rao Nelamarri, "Investigation of structural modification, surface chemical states, and luminescence behavior of rapid thermal annealing treated MgTiO<sub>3</sub> thin films", **Journal of Materials Science: Materials in Electronics** 34 (2023) 1165. doi:10.1007/s10854-023-10553-0.
4. **Deepak Negi**, Radhe Shyam, Srinivasa Rao Nelamarri, "Role of annealing temperature on structural and optical properties of MgTiO<sub>3</sub> thin films", **Materials Letters: X** 11 (2021) 100088. doi:10.1016/j.mlblux.2021.100088.
5. **Deepak Negi**, Devarani Devi, Sanjay Kumar Kedia, Fouran Singh, Srinivasa Rao Nelamarri, "A systematic investigation of structural and optical properties of Li ionimplanted MgTiO<sub>3</sub> thin films" **Thin Solid Films** 783 (2023) 140060. doi: 10.1016/j.tsf.2023.140060.

6. Komal Shekhawat, **Deepak Negi**, Radhe Shyam, Pargam Vashishtha, Govind Gupta, Srinivasa Rao Nelamarri, "Investigation of structural and optical properties of Ge/Al<sub>2</sub>O<sub>3</sub> multilayer thin films fabricated using electron beam evaporation", **Journal of crystal growth** 613 (2023) 127210. doi: 10.1016/j.jcrysgro.2023.127210.
7. Radhe Shyam, **Deepak Negi**, P. Vashishtha, G. Gupta, A. Das, P. Dobbidi, Srinivasa Rao Nelamarri, "Study of light-emitting defects induced by 100 MeV Ag ion irradiation in potassium sodium niobate thin films", **J. Lumin.** 233 (2021) 117909. doi:10.1016/j.jlumin.2021.117909.
8. Radhe Shyam, **Deepak Negi**, A. Das, P. Dobbidi, Srinivasa Rao Nelamarri, "Investigation of structural and morphological properties of high energy ion irradiated KNN films", **Mater. Res. Express.** 8 (2021) 066406. doi:10.1088/2053-1591/ac02ff.
9. Radhe Shyam, **Deepak Negi**, M. Gupta, P. Vashishtha, G. Gupta, A. Das, P. Dobbidi, K. Awasthi, Srinivasa Rao Nelamarri, "Rapid thermal annealing induced engineering of surface and photoluminescence properties of (K,Na)NbO<sub>3</sub> thin films for optoelectronic applications", **Appl. Surf. Sci.** 575 (2022) 151794. doi:10.1016/j.apsusc.2021.151794.
10. Radhe Shyam, **Deepak Negi**, Komal Shekhawat, Manoj Kumar, Mukul Gupta, Pargam Vashishtha, Govind Gupta, Apurba Das, Pamu Dobbidi, Srinivasa Rao Nelamarri, "Investigation of annealing effects on structural, morphological, optical, chemical, and luminescent properties of (K,Na)NbO<sub>3</sub> thin films", **Physica B: Condensed Matter** 660 (2023) 414908. doi: 10.1016/j.physb.2023.414908
11. Radhe Shyam, **Deepak Negi**, Komal Shekhawat, Fouran Singh, Devarani Devi, Pargam Vashishtha, Govind Gupta, Subingya Pandey, Pamu Dobbidi, Srinivasa Rao Nelamarri, "Tailoring of physical properties of (K,Na)NbO<sub>3</sub> thin films using lithium ion implantation", **Results in Physics**, 47 (2023) 106330. doi: 10.1016/j.rinp.2023.106330.
12. Radhe Shyam, **Deepak Negi**, Komal Shekhawat, Fouran Singh, Sunil Ojha, GR Umapathy, Pargam Vashishtha, Govind Gupta, Subingya Pandey, Pamu Dobbidi, Srinivasa Rao Nelamarri, "Influence of 120 MeV Au ion irradiation on phase transition, surface, and optical properties of lead-free (K, Na)NbO<sub>3</sub> films", **physica status solidi (a)**. doi: 10.1002/pssa.202300179.
13. Abhinav Bhatnagar, Hitesh Kumar Sharma, **Deepak Negi**, Srinivasa Rao Nelamarri, Vijay Janyani, "Fabrication and Characterization of CuInGaSe Thin Films Deposited on Silicon and Quartz Substrates Using One-Step Sputtering", **Silicon** (2023) doi.org/10.1007/s12633-023-02752-5.
14. Komal Shekhawat, **Deepak Negi**, Radhe Shyam, Pukhraj Prajapat, Govind Gupta, Fouran Singh, Devarani Devi, Sunil Ojha, Mukul Gupta, Srinivasa Rao Nelamarri, "Structural and optical properties of Cu implanted Ge thin films", **Physica B: Condensed Matter** 674 (2024) 415547. doi: 10.1016/j.physb.2023.415547.

- **Conference Paper**

- **Member of Scientific Organization/Academic Institutions/Universities**

- **National Level Exam**

CSIR NET: Dec 2018 (JRF), June 2018 (NET), Dec 2017(NET)

GATE: 2018, 2017

Uttarakhand State Eligibility Test (U-SET) 2017

- **FDP/Online Course/talk**

1. Participated in two weeks online training program “**NEP 2020 Orientation & Sensitization Programme**” organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission(UGC)
2. Invited talk in Kedriya Vidyalaya Uttarkashi

- **Awards and Achievements**

**Deepak Negi**