

## CURRICULUM VITAE

### DEMOGRAPHIC AND PERSONAL INFORMATION

**Anu**



#### Contact Information:

Dr. Anu  
Ph.D. (Physics/ Material Science)  
Assistant Professor, Department of Physics, Gautam College  
Hamirpur, Distt. Hamirpur, H.P., INDIA.

Voice: +91-7018663752, 8988232550  
Email: [anubasu550@gmail.com](mailto:anubasu550@gmail.com)

### EMPLOYMENT HISTORY:

| Title/Position      | University/Institution                                                                                   | Period                     |
|---------------------|----------------------------------------------------------------------------------------------------------|----------------------------|
| Assistant Professor | Assistant Professor, Department of Physics, Gautam College Hamirpur, Distt. Hamirpur, H.P., INDIA.       | September 2023-Present     |
| Assistant Professor | Department of Physics, Thakur P.G. College of Education Dhallara, Distt. Kangra, Himachal Pradesh, INDIA | April 2022- September 2023 |
| Guest Faculty       | Career Point University Hamirpur (Kharwar), Himachal Pradesh, INDIA.                                     | August 2016-November 2017  |

### EDUCATION:

#### Ph.D. (Physics/ Material Science)

Career Point University Hamirpur (Kharwar), Himachal Pradesh, India in (2016 - 2021).  
Title: Synthesis, Characterization and Antibacterial Activity of co-doped CuO Nanoparticles.

#### M.Sc. (Physics)

Maharaja Lakshman Sen Memorial (MLSM) College Sundernagar, Chaterokhri, Himachal Pradesh, India in 2015.

#### B.Ed.

Himachal Pradesh University Shimla, Himachal Pradesh, India in 2013.

#### B.Sc. (Non-Medical)

Govt. Degree college Bhoranj Tarkwari, Hamirpur, Himachal Pradesh, India in 2012.

### RESEARCH INTERESTS:

- Material Synthesis and Processing
- Nanomaterials
- Material Theory, Computation and Design
- Green Technologies
- Mechanics of Biological Materials
- Nano Bio Applications

### RESEARCH PROFILE:

- Google Scholar:

[https://scholar.google.com/citations?hl=en&user=u7y-SR4AAAAJ&view\\_op=list\\_works&gmla=AJsN=F6jyIF\\_i1YUWIXi89SUwcHB34SXU4\\_Zpfdmb2HMY2y7nREHOSQ1SYFpjmcOoZpL44U6prR5QIc144u9SCTlhsULElDIGH6jaEUMGTtP07sVoNmsDRLP](https://scholar.google.com/citations?hl=en&user=u7y-SR4AAAAJ&view_op=list_works&gmla=AJsN=F6jyIF_i1YUWIXi89SUwcHB34SXU4_Zpfdmb2HMY2y7nREHOSQ1SYFpjmcOoZpL44U6prR5QIc144u9SCTlhsULElDIGH6jaEUMGTtP07sVoNmsDRLP)

## RESEARCH PUBLICATIONS:

### Journals:

1. Anu, Naveen Thakur, Kuldeep Kumar and Kuldeep Kumar Sharma, "Application of Co-doped copper oxide nanoparticles against different multidrug resistance bacteria", *Inorganic and Nano-Metal Chemistry*, vol. 50, no.10, pp. 933-943, 17 Feb 2020. <https://doi.org/10.1080/24701556.2020.1728554>.  
<https://www.tandfonline.com/doi/abs/10.1080/24701556.2020.1728554>.
2. Naveen Thakur, Anu and Kuldeep Kumar, "Effect of (Ag, Co) Co-doping on the Structural and Antibacterial Efficiency of CuO Nanoparticles: A Rapid Microwave Assisted Method", *Journal of Environmental Chemical Engineering*, vol 8, no. 4, pp 104011 August 2020. <https://doi.org/10.1016/j.jece.2020.104011>.  
<https://www.sciencedirect.com/science/article/abs/pii/S2213343720303596>.
3. Naveen Thakur, Anu, Kuldeep Kumar, Jitender Kumar and Ashwani Kumar, "Structural effect and antibacterial action of (Ag, Zn) co-doped CuO nanoparticles: a microwave-assisted approach", *Dalton transaction*, vol. 50, pp. 6188-6203, 30 Mar 2021. DOI: <https://doi.org/10.1039/D0DT04405A>.  
<https://pubs.rsc.org/en/content/articlelanding/2021/dt/d0dt04405a>.
4. Naveen Thakur, Anu, Kuldeep Kumar, Vijay Kumar Thakur, Ashwani Kumar and Sher Singh Samant, "Antibacterial and photocatalytic activity of undoped and (Ag, Fe) co-doped CuO nanoparticles via microwave-assisted method", *Nanofabrication* vol. 7, pp. 62-88, 1 Feb, 2022. <https://doi.org/10.37819/nanofab.007.186>.  
<https://eapublishing.org/journals/index.php/nanofab/article/view/186>.

### Published Book Chapters:

1. Ambalika Sharma, Richa, Anu and Asha Kumari, "Microbial Degradation of Industrial Pollutants from Different Environments", *Microbial Bioremediation*, pp 215-238, 11 December 2022.  
DOI: [10.1007/978-3-031-18017-0\\_12](https://doi.org/10.1007/978-3-031-18017-0_12).  
[https://link.springer.com/chapter/10.1007/978-3-031-18017-0\\_12](https://link.springer.com/chapter/10.1007/978-3-031-18017-0_12).
2. Anu, Ambalika Sharma and Richa, "Role of Copper Oxide Nanoparticles", *Agricultural Science: Research and Reviews*, Volume II (ISBN: 978-93-91768-12-6), October, 2021. [www.bhumipublishing.com](http://www.bhumipublishing.com).

### Conference Papers:

1. Anu, Naveen Thakur and Jitender Kumar, "A Study of Structural and Morphological Properties of (Zn, Co) co-doped Copper oxide (CuO) Nanoparticles (NPs)", *CPUH-Research Journal*, 2018, 3(2), pp. 213-215.  
[http://www.cpuh.in/academics/academic\\_journals.php](http://www.cpuh.in/academics/academic_journals.php).
2. Anu, Naveen Thakur, Jitender Kumar, "Synthesis and characterization of pure and Zn-doped copper oxide nanoparticles", *International Journal of Advance Research in Science and Engineering*, vol. 7, no.8, pp. 167-171, March 2018.  
[http://www.ijarse.com/images/fullpdf/1525582161\\_ICAMPS25.pdf](http://www.ijarse.com/images/fullpdf/1525582161_ICAMPS25.pdf).

### Participation of Conferences/Schools:

1. Two days National Conference on advances in basic and applied Sciences ABAS-2017 held during 7 April-2017 to 8-April-2017 at Career Point University Hamirpur.
2. Two days International Conference on Advances in Mathematical, Physical and Computer Sciences (ICAMPCS-2018) held during 12-Feb.-2018 to 13-Feb.-2018 at S.G.G.S. Khalsa College Mahilpur-146105, District Hoshiarpur, Punjab.
3. Three days 9<sup>th</sup> Indian youth science congress IYSC-2018 held during 7-April-2018 to 9-April-2018 at Career Point University, Hamirpur.
4. Two days International conference Science: Emerging Scenario and future challenges SESFC-2018 held during 8

Sept-2018 to 9-Sept-2018 at National Institute of Technology (NIT), Hamirpur.

5. Two days national conference, rural upliftment through science and technology interventions 2018 held during, 22-Oct. 2018 to 23-Oct. 2018 at Indian Institute of Technology (IIT) Mandi.
6. Two days International Conference, Functional Materials and Simulation Techniques ICFMST-2019 held during, 7 June 2019 to 8-June-2019 at Chandigarh University, Gharuan Mohali.
7. 1<sup>st</sup> National Conference on Recent Advances in Sciences (NCRAS-2019) held on 16<sup>th</sup> February 2019 at Thakur P.G. College of Education, Dhaliara (H.P.), India.
8. Three days 9<sup>th</sup> National Seminar, Doubling Farmers Income by 2022: Challenges, Opportunities and Way Forward 2020 held during, 15- February-2020 to 17-February-2020 at Career Point University, Hamirpur.
9. Two days National Conference on Emerging Trends in Pharmaceutical, Microbiology and Medical Sciences vis-à-vis their Interventions for sustainability of Human Health (NCET-PMMS-2020) during 21-August-2020 to 22-August-2020 organized by School of Pharmacy, Career Point University, Hamirpur, Himachal Pradesh.
10. National Intellectual Property Awareness Mission on 21 January 2023 at Thakur P.G. College of Education, Dhaliara (H.P.), India.

#### REFERENCES:

1. Dr. Naveen Thakur, Professor, Department of Physics, Career Point University Hamirpur (H.P.), India-176041, [naveen.phy@cpuh.in](mailto:naveen.phy@cpuh.in), Contact No. - +91-9816422343.
2. Dr. Jitender Kumar, Assistant Professor, Department of Physics, Vallabh Govt. College, Mandi (H.P.), India-175001, [jitenderapd@gmail.com](mailto:jitenderapd@gmail.com), Contact No. - +91-9418893622.

#### TECHNICAL SKILLS:

**Software:** MS-Office, Origin, Image J, JCPDS.

**Instrumentation:** UV-Visible, IR Spectrophotometer, pH Meter, Centrifuge Machine, Autoclave, Laminar Air Flow Cabinet, Sonicator.

#### TEACHING:

- Mathematical Physics
- Condensed Matter Physics
- Material Science
- Nanotechnology
- Electrodynamics

#### PERSONAL INFORMATION:

**Fathers Name:** Late Sh. Lashkari Ram

**Mothers Name:** Smt. Savitri Devi

**Address:** Anu W/O Naresh Kumar, Vill Ropar, P.O. Jandhru Kalan, Tehsil Sarkaghat, Distt. Mandi (H.P.)-175042

**Gender:** Female

**Nationality:** Indian

**Marital Status:** Married

**Language Known:** English and Hindi

#### DECLARATION:

I do hereby declare that all the above-furnished information is correct and true to the best of my knowledge.

**Date:**

**Place:** Sarkaghat, Mandi

(Anu)

