

CURRICULUM VITAE

Email:- ads.hpu@gmail.com

Scopus id: <https://www.scopus.com/authid/detail.uri?authorId=57214355687>

Publons id- <https://publons.com/wos-op/researcher/5361227/ad-sharma/>

Web of Science id: [GNP-4849-2022](https://www.webofscience.com/wos/authorid/urn:lsid:imsworld:authorid/4849-2022)

ORCID id: <https://orcid.org/0000-0002-0019-9166>

Research Gate id: <https://www.researchgate.net/profile/A-D-Sharma>

Google Scholar id: <https://scholar.google.com/citations?user=faTJywIAAAAJ&hl=en>

Academia.edu id: <https://rkmv.academia.edu/DrAkashDeepSharma>

LinkedIn Id: <https://www.linkedin.com/in/dr-akash-deep-sharma-31b828173/>

SSRN Id: https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=5376537

Vidwan Id: <https://vidwan.inflibnet.ac.in/profile/499301/NDk5MzAx>



Dr. A. D. Sharma

Personal Details

Date of Birth: 20/10/1984

Marital Status: Married

Gender: Male

Languages Known: English, Hindi, Punjabi

Nationality: Indian

Professional Details

- Former Assistant Professor, MLSM College- Sundernagar, District-Mandi, Himachal Pradesh, India, from 25th July, 2012 to 11th March, 2017.
- Former Assistant Professor, Government College- Seema, District-Shimla Himachal Pradesh, India, from 14th March, 2017 to 7th March, 2019.
- Present Assistant Professor, Government College Chowari, District- Chamba, Himachal Pradesh, India, w.e.f. 8th March, 2019 to till date.

Academic Qualifications

- Doctor of Philosophy on “Shock Wave Synthesis of Newer Materials of Ni-based Superalloy Powders and their Characterization” from Himachal Pradesh University in collaboration with Terminal Ballistics Research Lab. (DRDO) in October, 2014.
- Master of Philosophy with 79.67% from Himachal Pradesh University, Shimla December in 2008 with specialization in Materials Science entitled “Shock consolidation of Al powder under varying detonation pressure and its Crystallographic & Surface Morphological Analysis”.
- Master of Science (Physics) with 73.42% from Himachal Pradesh University, Shimla in June 2007 with specialization in Electronics.

- Bachelor of Science (Non-Medical) with 73.47% from Himachal Pradesh University Shimla in March 2005.
- 10+2 (non-medical) with 68.80% from Himachal Pradesh Board of School Education- Dharamshala in March 2002.
- Matriculation with 66.62% from Punjab School Education Board- Mohali in March 2000.

Research papers published

1. **Crystallographic and morphological characteristics of explosively compacted copper under various detonation velocities.**
A.D. Sharma*, A.K. Sharma and N. Thakur
Philosophical Magazine 92 (2012) 2108–2116
2. **Effect of explosive contact and non-contact shock-processing on structure, Microstructure and mechanical characteristics of aluminum**
A.D. Sharma*, A.K. Sharma and N. Thakur
Applied Physics A 111 (2013) 783–789
3. **Crystallographic, microstructure and mechanical characteristics of dynamically processed IN718 superalloy**
A.D. Sharma*, A.K. Sharma and N. Thakur
Journal of Alloys and Compounds 597 (2014) 175–180
4. **Crystallographic, Microstructural, and Mechanical Characterization of Dynamically Processed EP741NP Superalloy**
A D Sharma*, A K Sharma and N Thakur
Metallurgical and Materials Transaction B 47 (2016) 2479-2486.
5. **Study on the Crystal Structure and Microstructure Evolution of Shock – Processed Titanium**
A D Sharma*, A K Sharma and N Thakur
Journal of Metallic Materials Research 2 (2019) 26-31.
6. **A Constitutive Modeling and experimental Effect of Shock waves on the Microstructural sub-strengthening of Granular Copper**
A D Sharma*, A K Sharma and N Thakur
Journal of Metallic Materials Research 4 (2021) 34-40.
7. **Influence of High Detonation Pressure on the Structural, Microstructural and mechanical behavior of IN718 superalloy: numeric simulations vis-a-vis experimental shock wave processing.**
A D Sharma*, A K Sharma and N Thakur
Bulletin of Materials Science 45 (2022) 2646-2659.
8. **Shock Wave Processing of Metal Powders and their Microstructural Characterization**
A.D. Sharma, A. K. Sharma and N. Thakur
AIP Conf. Proc., 119 (2011) 1393-94
9. **Explosively generated shock wave processing of metal powders by instrumented detonics**

A.D. Sharma, A. K. Sharma and N. Thakur
AIP Conf. Proc. 1536, (2013) 1169

10. Shock wave loading of Nickel based superalloy and microstructural features of the compacts

A D Sharma, A K Sharma and N Thakur

IOP Conf. Series: Materials Science and Engineering 73 (2015) 012059.

International/ National Conferences, Seminars, Workshops and Symposiums, Refreshers Courses and Orientation Programs

1. Presented a paper in the “International Conference on Multifunctional Oxide Materials” held at Himachal Pradesh University-Shimla, India, from 16th to 18th April, 2009.
2. Presented a paper in the “International Conference on Advances in Electron Microscopy” held at BARC, Mumbai, 8th to 10th March, 2010.
3. Presented a paper in the “International Conference on Advances in Condensed and Nano Materials” held in the PU- Chandigarh, 23rd to 26th Feb. 2011.
4. Presented a paper in the “International Conference on Electron Nanoscopy” held at Ramoji Film City, Hyderabad, 6th to 8th July, 2011.
5. Presented a paper in “International Conference on Materials Science and Technology” held at St. Thomas College Pala, Kerala, 10th to 14th June, 2012.
6. Presented a paper in the “International conference on Recent trends in Applied Physics and materials Science” held at Government College of Engineering and Technology, Bikaner from 01-02 Feb. 2013.
7. Presented a paper in the “International Conference on Role of Science and Technology in Sustainable Development” held a Hotel Monglade- Banikhet, Himachal Pradesh from 13th to 14th Oct., 2023.
8. Participation and presentation in the “National Seminar on Science and Technology” held at TBRL Chandigarh, from 7th to 10th Dec. 2010
9. Participated in “Workshop-cum-Seminar on Microscopic Techniques in Nano Science” held at HPU Shimla from 30th March to 5th April, 2011.
10. Participation and presentation in the “National Conference on Recent trends in Materials Science” held at JUIT, Solan from 8th to 10th Oct.2011.
11. Participation in 6th Chandigarh Science Congress held at Panjab University Chandigarh from 26th to 28th Feb. 2012.
12. Participation and presentation in National Seminar on “Experimental and Computation Techniques in Materials Science” held at HPU-Shimla from 31st March to 2nd April 2012.
13. Participation and presentation in the “National Seminar on Science and Technology” held at TBRL Chandigarh, from 22nd to 23rd Jan. 2013.
14. Participation in One day “National Workshop on Renewable Energy” in JNGEC Sundernagar on dated 2nd March 2013.

15. Participation in one week “Workshop on Nanotechnology: Fabrication and Characterization” held at JUIT Solan from 11th Dec. 2013.
16. Participated in “National Symposium on Advance Materials” in IIT Mandi from dated 27th to 28th May 2014.
17. Participated in Interdisciplinary “National Conference on Towards new cultural dynamics: Critiquing and Questioning Emerging Trends in Himalayan Scape” held at Govt. College Seema from 9th to 10th Oct. 2017.
18. Attended the “Science Academies refresher Course in Experimental Physics” conducted from 14th to 29th Dec.2021 by the Department of Physics, Panjab University sponsored by the Indian Academy of Sciences, Indian National Academy of Sciences and National Academy of Sciences, India.
19. Completed a 4-week Induction/ Orientation Programme for faculty in Universities/ Colleges/ Institutes of Higher Education from 21st March to 19th April 2022 from Teaching Learning Centre, Ramanujan College of University of Delhi under the aegis of Ministry of Education, PMMMNMTT and obtained A+ grade.
20. Completed a 2-week Refresher Course on Managing Online Classes and Co-creating MOOCs 26.0 for faculty in Universities/ Colleges/ Institutes of Higher Education from 08-22 May 2023 from Teaching Learning Centre, Ramanujan College of University of Delhi under the aegis of Ministry of Education, PMMMNMTT and obtained A+ grade.
21. Completed a Training/ workshop on Road Safety conducted by the Transport Department of Himachal Pradesh, India from 27-28 July 2023.
22. Completed a Training Programme of In-service (capacity building) from Govt. College of Teacher’s Education- Dharmshala, India from 07-12 Aug. 2023.
23. Completed NEP 2020 Orientation and Sensitization Programme under Malvia Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Himachal Pradesh University, Shimla from 26th Feb. to 5th March, 2024.

Books Authored:

1. **Renewable Energy and Energy Harvesting**
ISBN: 9788194207320
Publishers: R.D. Publications, 2020
2. **Physics Workshop Skills**
ISBN: 9789388796514
Publishers: Dinesh Publications, 2019
3. **Basic Instrumentation Skills**
ISBN: 9788193897171
Publishers: Dinesh Publications, 2018.

PG Dissertations Guided:

1. Scanning Electron Microscope for powder analysis-2013 (three students)
2. Binary coded decimal system to seven segment display decoder-2013 (three students)
3. Current voltage characteristics for elementary optoelectronic devices-2014 (three students)

4. X-powder diffraction for crystallographic analysis of aluminium-2014 (three students)
5. Characteristic properties of Neutron star-2014 (one student)

Memberships Professional and Academic Societies/ Organizations:

1. Member of Editorial board of Journal of Metallic Materials Research, Bilingual Publishing Co.
2. Member of the Editorial Board of the American Journal of Materials Synthesis and Processing, Science Publishing Group.
3. Member of the Editorial board of Online Journal of Materials Science, Science publications.
4. Member of the Editorial Board of Universal Journal of Physics Research, Science Publishing Group.
5. Reviewer member of Journal of Alloys and Compounds, Elsevier.
6. Reviewer member of Material Letters, Elsevier.
7. Reviewer member of the International Journal of Creative Research Thoughts.
8. Reviewer member of Materials Science Research India.
9. Member of the Institute of Engineering Research and Publications.
10. Member of the Indian Association of Physics Teachers.
11. Member of Him Science Congress Association, Himachal Pradesh, India.
12. Member of the International Research and Development Center for Publication.
13. Member of Indian Physics Association.
14. Paper-setter for UG examination appointed by Himachal Pradesh University-Shimla, India.
15. Paper-setter for PG examination appointed by Sardar Patel University-Mandi, India.

Achievements:

- Merit certificate in M.Sc.-2007.
- Gold Medalist in M. Phil.-2008.
- Qualified ISRO -2008.
- Qualified GATE-2009 & 2011.
- Qualified Ballistics/Forensic Scientific Officer, H.P.- 2012.
- JRF/SRF under DRDO Research Project -2008, Delhi.
- JRF- under UGC/BSR, New Delhi.
- Best paper presentation award in National Seminar on Science and Technology at TBRL in 2010.
- Board of Departmental Exam., Technical Officer (Higher Education, H.P.) Qualified-2022.

Teaching Experience: since July 2012 (Post-graduate and Undergraduate).

Career Objectives:

- Seeking a Challenging career that can explore my scientific horizon, broaden my skills and unique abilities in this dynamic field.
- To acquire a responsible position with an opportunity for career advancement and contribution for nation building.
- Aspiring to associate with an Institute/Organization, which offers a congenial environment for overall growth.

Professional & Personal Attributes:

- Communication & Presentation skills
- Ability to visualize & articulate goals
- Problem solving & Decision makings
- Research aptitude, Planning & Execution
- Honesty, sincerity, determination, dedication and hard work are my strengths.



(Akash Deep Sharma)