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10. Details of research papers in the Journals notified on UGC website during the last five years:

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
1. Electron Momentum Density and Elastic Properties of $\text{Be}_x\text{Zn}_{1-x}\text{Se}$ alloys	M D Sharma	Physics, DC Bikaner	Proceedings of DAE SSP Symposium	2016	
2. Study attenuation coefficients of leaves (Ficus religiosa)	M D Sharma	Physics, DC Bikaner	Accepted for publication in AIP Proceeding 2021	2021	
3. Photocurrent measurement in cadmium sulphide thin films	M D Sharma and A. Bhargawa	Physics, DC Bikaner	IJSRP	Vol.11, issue 1, January 2021	ISSN 2250-3153

11. Books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years: Nil
12. Convener of College Committees / any other committee constituted for a specific event during the Last Five Years.
  1. **Incharge**, Department of Physics, Govt. Dungar College, Bikaner
  2. **Member, Board of Studies**, Physics, Maharaja Ganga Singh University, Bikaner
  3. **Convener**, Committee for Innovation and Skill development
  4. **Convener**, College Time Table Committee etc.
  5. **State Coordinator: Gyandoot** Physics Programme 2021
  6. **State Convener: Gyan Ganga** programme in **Physics** and organized **FDP 2021**

## List of all Publications

1. Cohesive energies of dysprosium and rhenium from Compton profiles:  
K.B. Joshi, **M.D. Sharma**, B.L. Ahuja, B.K. Sharma and R.K. Pandya:  
DAE SSP Symposium **34 C** 82 (1991)
2. Compton profile of polycrystalline gold.  
B.K. Sharma, Usha Mittal, B.L. Ahuja, **M.D. Sharma** and K.B. Joshi:  
DAE SSP Symposium **35 C** 81 (1992)
3. Compton profiles of Fe, Ni and their Alloys.  
B.L. Ahuja, B.K. Sharma, **M.D. Sharma**, S. Hamouda and M.J. Cooper:  
CMMP Conference, Institute of Physics (U.K.) Paper no. I, 40515 (1992)
4. Compton profile of polycrystalline yttrium.  
B.L. Ahuja, **M.D. Sharma**, B.K. Sharma, S. Hamouda and M.J. Cooper:  
Physica Scripta **50**, 301 (1994)
5. Compton profile of ruthenium.  
R.K. Kothari, K.B. Joshi, **M.D. Sharma**, B.L. Ahuja and B.K. Sharma:  
Phys. Stat. Sol. (b) **190**, 475 (1995)
6. Electron momentum distribution in rhenium.  
**M.D. Sharma**, K.B. Joshi B.L. Ahuja, R.K. Pandya and B.K. Sharma, :  
DAE SSP Symposium **38 C** 98 (1995).
7. Electron momentum distribution in rhenium.  
B.K. Sharma, **M.D. Sharma**, K.B. Joshi, B.L. Ahuja, and R.K. Pandya:  
Phys. Stat. Sol. (b) **196**, 347 (1995)
8. A study of electron momentum density distribution in molybdenum.  
B.K. Sharma, **M.D. Sharma**, B.L. Ahuja, K.B. Joshi and R.K. Pandya:  
SAGAMORE XII, 125-26 (1997). Canada,
9. Compton study of the electronic state in Fe-Ni System.  
B.L. Ahuja, **M.D. Sharma**, S. Hamouda, B.K. Sharma and M.J. Cooper:  
Physica Scripta **58** 185 (1998).
10. Application of photonic bandgap Materials in Microwave Frequencies;  
A. Bhargava, A.K. Nagar and **M.D. Sharma**:  
Proceedings of the UGC sponsored National conference on Microwaves, Antenas,  
Propagation and Remote Sensing **Page 164-172. 2008**
11. Electron Momentum Density and Elastic Properties of  $\text{Be}_x\text{Zn}_{1-x}\text{Se}$  Alloys.  
**M.D. Sharma**:  
Proceedings of the 54<sup>th</sup> DAE Solid State Physics Symposium (2009)
12. The optical, vibrational, structural and elasto-optic properties properties of

$Zn_{0.25}Cd_{0.75}S_ySe_{1-y}$  quaternary alloys.

U. Paliwal, C.B. Swarnkar, **M.D. Sharma** and K.B. Joshi:

AIP conference proceedings **1728**, 020652 (2016): doi:10.1063/1.4946703

**13.** Photocurrent measurement in cadmium sulphide thin films.

**M D Sharma** and A. Bhargawa:

IJSRP: **Vol.11**, issue 1, January 2021.

**14.** Study attenuation coefficients of leaves (Ficus religiosa). **M D Sharma:**

Accepted for publication in **AIP** Proceeding 2021