Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr.	S. K.	YADAV	

Designation	Associate Professor
Address	Department of Physics, Shivaji College, University of Delhi
Office Phone No.	
Residence	
Mobile	9871490511
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Web-Page	
Educational Qualifications	

Degree	University/Institute	Year
Ph.D.	MDU, Rohtak in material science	1986
PG	MDU, Rohtak	1980
UG	Rajdhani College, University of Delhi	1978
Any Other Qualification		

Career Profile

Worked as Research Associate from 1985-1986 in National Physical Laboratory
Worked as Assistant Professor Physics from Nov. 1986-July 1998 in Shivaji College
Working as Associate Professor from July 1998-Till Date Shivaji College, University of Delhi

Administrative Assignments

Active Involvement in various assignments, projects and committees assigned by the college from time to time.

Areas of Interest/Specialisation

Material Science, Cryogenics

Subjects Taught

Have been teaching Physics courses (undergraduate B.Sc. Honours/ Applied Physical Sciences) in University of Delhi

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Publications Profile (*Research Papers/Books)*

- EPR of Mn2+in K2Zn(XO4)2.6H2O (X = S, Se) single crystals, Jain, V.K., **Yadav, S.K.,** physica status solidi (b), 1982.
- Electron paramagnetic resonance of Mn2+ and VO2+ in Ba2Zn(HCOO)6 · 4 H2O single crystals, Jain, V.K., Seth, V.P., Malhotra, R.K., **Yadav, S.K.**, Physica status solidi (b), 1983.
- EPR of VO2+in ZnSeO4· 6H2O single crystals, Jain, V.K., Seth, V.P., **Yadav, S.K.**, Physica status solidi (b), 1983.
- Hyperfine interaction parameters and ground-state wavefunctions of vanadyl ion complexes, Seth, V.P., **Yadav, S.K.**, Jain, V.K., Pramana, 1983.
- Estimation of T1for Co2+ions from the temperature variation of the ESR linewidths for VO2+in Cs2Co(SeO4)2·6H2O single crystals, Jain, V.K., **Yadav, S.K.**, Solid State Communications, 1985.
- Estimation of T1 for Co2+ ions from the temperature variation of the ESR linewidths for Mn2+ in Cs2Co(SeO4)2 6H2O single crystals, Jain, V.K., **Yadav, S.K.**, Physical Review B,1986.
- High order electron paramagnetic resonance transitions of Gd3+ in Pr2Zn3(NO3)12·24H2O single crystals, Yadav, V.S., **Yadav, S.K.**, Malhotra, R.K., Pramana, 1986.
- Estimation of T1for Co2+ions from temperature variation of the EPR linewidths for Gd3+in Ce2Co3(NO3)12.24H2O single crystals, Jain, V.K., **Yadav, S.K.**, Solid State Communications,1986.
- Electron Paramagnetic Resonance of VO2+in M2Zn(SeO4)2· 6H2O(M=K, Rb) Single Crystals, Saroj, **Yadav, S.K.**, Jain, V.K., Crystal Research and Technology,1992.
- EPR in CoO.BaO.B2O3 glasses containing two transition elements, Seth, V.P., **Yadav**, **S.K.,** Radiation Effects and Defects in Solids, 1994.

Conference/Seminar/Faculty Development Programme/Workshop

- Organized and Participated in the Annual Workshop "PRATIBIMB" in Jan 2017 at Shivaji College.
- Organized and Participated in Lecture "Semiconductor Opto-Electronic Devices : A Perspective"by Prof. M. R. Shenoy, IIT Delhi in Oct 2017 at Shivaji College.
- Organized and Participated in the Annual Workshop "SPECTRUM" in Jan 2018 at Shivaji College.
- Organized and Participated in the CSIR Sponsored First National Conference on "Current and Future Perspectives in Nanotechnology : Nanoworld 2018" in April 2018 at Shivaji College.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

Awards and Distinctions

- Junior Research Fellowship 1980-1982
- Senior Research Fellowship 1982- 1986

Memberships

Other Academic Activities

Convener of Annual Departmental Festival "INVENIO-2017" at Shivaji College.

Cultural/Extracurricular Activities

Signature of Faculty Member