Name : Dipti Munjal

Qualification : M.Sc(Physics), NET qualified

Teaching experience : 9 Years

Area of specialization : Information Entropy, Study of confined atoms & effects due to spin orbit coupling

Updated List of Publications :

(1) 'Ionization and population transfer in Lithium Rydberg states with ultra short chirped laser pulses', B Dhayia, D Munjal and V Prasad Ind. J. Phys. 85, 1721(2011).
(2) 'Intense field induced excitation and ionization of an atom confined in a dense quantum plasma'S. Lumb, S. Lumb, D. Munjaland V. Prasad,Phys. Scr. 90, 095603(2015).
(3) 'Spectra of electron pair under harmonic and Debye potential',D Munjal, V Prasad, Contribution in plasma Physics 57, 76(2017).
(4) 'Two particle system in spherically confined plasma environment', D Munjal, K D Sen, V Prasad, Eur. Phys. J. D 71, 59(2017).
(5) 'Spectra of confined Positronium', D Munjal, P.Silotia and V Prasad, Phys. Plasmas 24, 122118 (2017).
(6) 'Shape effect on information theoretic measures of quantum heterostructures', D. Munjal, K. D. Sen and V. Prasad, J.Phys. Commun. 2 (2018) 025002.
(7) 'Positronium under harmonic and plasma confinement', D. Munjal, B.Vidhani and V.Prasad, AIP Conference Preceedings, 1953, 140040(2018).
(8) Spin orbit effect in a quantum dot confined in a Kratzer potential V. Nautiyal , D. Munjal, P.Silotia, Journal of Magnetism & Magnetic Materials, 528, 167688(2021).

Awards and recognitions:

- Women Scientist fellowship from Department of Science and Technology, India from May 2015-May 2018
- Best poster award for 'Optical response of Positronium under soft confinement', D. Munjal, B. Vidhani and V. Prasad, International Conference on Physics, Society and Technology-2019, Deshbandhu College, University of Delhi, Delhi.