

List of the Research publications

1. Growth conditions and structural characterisation of molybdenum sulphoselenides single crystals ($\text{MoS}_x\text{Se}_{2-x}$, $0 \leq x \leq 2$).
Mat. Res. Bull. (1985) Vol. 20, No. 3, pp. 329-336.
2. Photoelectrochemical solar cells with n-type MoTe_2 single crystals.
Proc. of Symp. on Photovoltaic Materials and Devices, May 10-11, 1984
(Edited by B. K. Das, and S. N. Singh,
Wiley Eastern Ltd. (1985) p. 437.
3. Optical band gaps of molybdenum sulphoselenides $\text{MoS}_x\text{Se}_{2-x}$, $0 \leq x \leq 2$ single crystals from spectral response measurements.
Physica Status Solidi (1985) a 90, K 107.
4. Characterisation of molybdenum sulphoselenides ($\text{MoS}_x\text{Se}_{2-x}$, $0 \leq x \leq 2$) electrodes in terms of energetic location of valence and conduction bands.
Proc. of National Conference on Photon induced processes in chemical and biological systems.
February 14-16, 1985, B.H.U., Varanasi. (In press)
5. Energy band locations and redox analysis of molybdenum sulphoselenides ($\text{MoS}_x\text{Se}_{2-x}$, $0 \leq x \leq 2$) photoelectrodes.
Physica Status Solidi a (1986) 94, 2.
6. Growth and characterisation of molybdenum sulphoselenides single crystals grown by direct vapour transport technique.
Proc. Fourth National Seminar on Physics of Semiconductors and Devices.
(Editor J. C. Garg and P. C. Mathur,
Puneet Press, Meerut) (1986) P. 154.

7. Effect of temperature on the performance of photoelectrochemical solar cells of molybdenum sulphoselenides single crystals.
Transactions of SAEST (India) (In press)
8. The effect of intensity of illumination on the performance of molybdenum sulphoselenides liquid junction solar cells.
Transactions of SAEST (India) (In press)
9. Photoelectrochemical solar cells with n-type natural MoS_2 single crystals
(communicated to Solar cells)
10. Transport properties of molybdenum sulphoselenides ($\text{MoS}_x\text{Se}_{2-x}$, $0 \leq x \leq 2$) single crystals.
(Communicated to Solid State Communications)
11. The effect of Iodine concentration of Iodine/Iodide electrolyte on the performance of molybdenum sulphoselenides liquid junction solar cells.
(Manuscript under preparation).