APPENDIX : 1

PUBLICATIONS

PHYSICO-MECHANICAL STANDARDS

Papers Published in Journals


2. Bandyopadhyay, A. K. Status report of APMP sponsored regional pneumatic pressure comparison [Phase A]: (1) 20 to 105 kPa and (2) 0.4 to 4.0 MPa (Gauge Mode). MAPAN-\textit{Journal of Metrology Society of India} 16 (1), Supplementary Issue No.1, 321-327 (2001).


16. Kandpal, H.C. & Vaishya, J.S. Experimental study of coherence properties of the light fields


43. Yadav, Sanjay., Bandyopadhyay, A. K., Dilawar, Nita & Gupta, A.C. Reestablishment of uncertainty in pressure measurement through in-house laboratory intercomparison of national hydraulic pressure standards upto 500 MPa. MAPAN-Journal of Metrology Society of India 16(1),Supplementary Issue No.1, 170-177 (2001)


**Chapter in Encyclopaedia**


**Papers Published in Conference/Symposia/Workshop Proceedings**


Papers Presented in Symposia/ Conferences/ Seminars/Workshops


24. Som, J.N., Virendra Babu, Raj Singh & Taak, I.S. Study on the error analysis and uncertainty parameters involved on the flowrate measurement with the NPL Primary Water Flow Measurement facility. 3rd International Conference on Metrology in New Millennium
and Global Trade (MMGT-2001), NPL, New Delhi, February 8-10, 2001.


**ELECTRICAL AND ELECTRONIC STANDARDS**

**Papers Published in Journals**


Papers Published in Conference/Symposia/Workshop Proceedings


Papers Presented in Symposia / Conferences/ Seminars/Workshops


Monographs
1. SI Units. Compiled by Rina Sharma, V.N. Ojha, A.K. Saxena & P.C. Kothari


ENGINEERING MATERIALS

Papers Published in Journals


9. Singhal, S.K., Singh, B.P., Chopra, Rajeev &

**Papers Published in Conference/Symposia/Workshop Proceedings**


**Papers Presented in Symposia/Conferences/Seminars/Workshops**


**ELECTRONIC MATERIALS**

**Papers Published in Journals**


8. Rastogi, A.C., Sharma, S.N. & Kohli, S. Structure and optical properties of rf magnetron sputtered CdTe nanocrystals: TiO$_2$ composite


**Papers Published in Conference/Symposia/Workshop Proceedings**


8. Sankaranarayanan, V.K., Hoa, L.M., Prakash, Om. & Rastogi, A.C. Magnetic and structural investigations of Co/Ag multilayers. *Crystal growth and characterization-proceedings of International Workshop on Preparation and Characterization of Technologically Important Single Crystals,


Papers Presented in Symposia/ Conferences/ Seminars/Workshops


5. Kumar, Sushil. Stress relieved diamond like carbon films as an engineering material for various applications. Indian Science Congress, IARI, Delhi, 3-7 Jan. 2001. (Paper presented under ISCA Young Scientist Award Programme in Materials Science section at the 88th session)


Appendix 1 : Publications


Chapters in Books/Monographs


POLYMERIC & SOFT MATERIALS

Papers Published in Journals


Papers Published in Conference/Symposia/Workshop Proceedings


Papers Presented in Symposia/Conferences/Seminars/Workshops


2. Jain, S. C., Dixit, Vivechana., Tanwar, V. K. &


**MATERIALS CHARACTERIZATION**

**Papers Published in Journals**


**Papers Published in Conference/Symposia/Workshop Proceedings**


7. Gupta, S.K., Virdi, G.S., Arora, Manju., Pathak, B.C. & Lal, Krishan. EPR study of ion-implanted silicon wafers for p⁺-n junctions


**Papers Presented in Symposia/ Conferences/ Seminars/Workshops**


**Conference Proceedings**


**Scientific Reports, Chapters in Monographs**

1. Badrinath, K.V.S. & Gupta, Prabhat K. Eds. Trace Gas emission from Shifting Cultivation areas of Rampa forests - (Eastern

**RADIO & ATMOSPHERIC SCIENCES**  
**Papers Published in Journals**  
isotherm height over some tropical locations and rain attenuation for an Indian south station for microwave and millimeter wave communication system. *International J. Infrared and Millimeter Waves* 22, 495-504 (2001).


**Papers Published in Conference/Symposia/Workshop Proceedings**


**Papers Presented in Conference/Symposia/Workshops**


14. Marwaha, R. Variability of thunderstorm activity (tso) as atmospheric radio noise (arn) generators affect the e.m. environment & deforestation. National Workshop on Recent Developments in Atmospheric and Space Sciences, Department of Physics, Univ. of Roorkee, Roorkee, March 19-21, 2001.


18. Vijaykumar, P.N. A novel method of tracking the trails of leonid meteors using the VHF signals from a geostationary satellite. National Workshop on Recent Developments in Atmospheric and Space Sciences, Department of Physics, Univ. of Roorkee, Roorkee, March 19-21, 2001.

Published Research Reports


SUPERCONDUCTIVITY & CRYOGENICS

Papers Published in Journals


**Papers Published in Conference / Symposia / Workshop Proceedings**


**Papers Presented at Conferences / Symposia / Seminars / Workshops**


Technical Report