

Research Perspectives in Hydraulics and Water Resources Engineering:

Rama Prasad and S. Veula (eds). World Scientific Publishers Co. Pvt. Ltd., P.O. Box 128, Farrer Road, Singapore 912 805. 561 pages. \$109.

Scientist and Humanist – M. S. Swaminathan:

R. D. Iyer. Bharatiya Vidya Bhavan, Kulapati K. M. Munshi Marg, Mumbai 400 007. 245 pages. Rs 300.

Science and Spirituality – A Vedanth Perception:

Pilani V. Krishnamurthy. Bharatiya Vidya Bhavan, Kulapati K. M. Munshi Marg, Mumbai 400 007. 236 pages. Rs 215.

Science in Indian Media:

Dilip M. Salwi. Vigyan Prasar, C-24 Qutab Institutional Area, New Delhi 110 016. 174 pages. Rs 200.

Selected Topics In Nonlinear Wave Mechanics:

C. I. Christov and A. Guran

(eds). Birkhauser, Verlag, P.O. Box 133, CH-4010 Basel, Switzerland, 367 pages. Price not mentioned.

Speciality Rices of the World:

Ram C. Choudhary, D. V. Tran and R. Duffy (eds). Science Publishers Inc., P.O. Box 699, Enfield, New Hampshire 03748, USA. 358 pages. \$59.

Standard Model For The Beginners:

K. K. Sinha. Allied Publishers Pvt. Ltd., A-104, Mayapuri, Phase II, New Delhi 110 064. 113 pages. Price not mentioned.

Statistical Analysis of Designed Experiments, 2nd edn:

Helge Totenburg. Birkhauser Verlag, P. O. Box 133, CH-4010 Basel, Switzerland. 500 pages. Price not mentioned.

Statistics for Biology and Health – Mathematical and Statistical Methods for Genetic Analysis, 2nd edn:

Kenneth Lange. Springer-Verlag, GmbH and Co.

KG, Tiegartenstraß 17, D-69121 Heidelberg, Germany. 361 pages. \$74.95.

Techniques in Molecular Systematics and Evolution:

Rob DeSalle *et al.* (eds). Springer-Verlag, P.O. Box 133, CH-4010 Basel, Switzerland. 225 pages. Price not mentioned.

Time and Chance:

David Z. Albert Imprint of Centre for Philosophy and Foundations of Science, Darshan Sadan, E-36 Panchshila Park, New Delhi 110 007. 172 pages. Rs 195.

Top 1000 Scientists:

Philip Barker. Universities Press (India) Pvt. Ltd., 3-5-819 Hyderguda, Hyderabad 500 029. 437 pages. Rs 350.

Waves and Oscillations:

S. L. Kakani and C. Hemrajani. CBS Publishers & Distributors, 4596/1A, Daryaganj, New Delhi 110 002.



ANNOUNCEMENT

**New ICP-MS National Facility at NGRI, Hyderabad
(Funded by DST & CSIR)**

A new ICP-MS was procured and installed recently under this project at the Geochemical Laboratory of National Geophysical Research Institute, Hyderabad. The ICP-MS installed at NGRI is a quadrupole mass spectrometer with state-of-the-art features, such as Dynamic Reaction Cell (DRC), performance enhancing axial field technology, and other technical advances leading to extremely low background, better sensitivity and striking improvements in measurement precision which take the detection limits for most of the elements in the periodic table to pg/ml (ppt) and fg/ml (ppq) levels and make interference-free and accurate estimation possible in a variety of geological and environmental materials for different R&D applications. When coupled with appropriate sample preparation methods, ICP-MS can be effectively applied to the following:

- (i) Accurate and precise estimation of rare earth elements (REE) and several other trace elements of importance in geochemical, cosmochemical, marine and hydrogeochemical studies.
- (ii) When combined with appropriate fire-assay technique (Pb or NiS), ICP-MS can be used for accurate determination of extremely low concentrations of platinum group elements (PGE), and gold in mineral exploration studies.
- (iii) ICP-MS is the best-suited method of analysis for the estimation of elements such as Cr, Ni, As, Se, Pb, Zn, Cd, Hg and a host of other trace elements in a variety of materials for environmental research.
- (iv) The semi-quantitative analysis by ICP-MS provides a means for rapid (90 sec) multi-element determination of about 70 elements (Li-U) in a variety of geological and environmental samples with a precision <20% RSD with comparable accuracy. This feature is highly useful in reconnaissance studies in fields such as mineral exploration and environment.

Active groups or individual scientists/research students who are interested in using this facility at NGRI may contact Director, National Geophysical Research Institute, Hyderabad 500 007, through phone 040-27170141, Fax: 040-27170491 or 040-27171564, e-mail: dimrivp@rediffmail.com. For more details visit us at: www.ngri.org.in