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## Publications received

*Books received by the journal in 2002 but not reviewed are listed. The list is intended to serve as both a notice of the books and an acknowledgement of receipt. Some reviews may appear later.*

**Animal Attractions: Nature on Display in American Zoos:** Elizabeth Hanson. Princeton University Press, 41, William Street, Princeton, New Jersey 08540, USA. 243 pages. \$29.95.

**Annual Review of Biochemistry, Vol. 71:** Charles C. Richardson *et al.* (eds). Annual Reviews, 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303-0139. 1051 pages. Price not mentioned.

**Annual Reviews of Biophysics and Biomolecular Structure, Vol. 31:** Robert M. Stroud *et al.* (eds). Annual Reviews, 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303-0139. 559 pages. Price not mentioned.

**Annual Review of Entomology, Vol. 47:** May R. Berenbaum *et al.* (eds). Annual Reviews, 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303-0139. 956 pages. Price not mentioned.

**Annual Review of Neuroscience, Vol. 25:** W. Maxwell Cowan *et al.* (eds). Annual Reviews, 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303-0139. 622 pages. Price not mentioned.

**Annual Review of Public Health, Vol. 23:** Jonathan E. Feilding *et al.* (eds). Annual Reviews, 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303-0139. 492 pages. Price not mentioned.

**Archaeology and History – Early Settlements in the Andaman Islands:** Zarine Cooper. Oxford University Press, YMCA Library Building, Jai Singh Road, New Delhi 110 001. 207 pages. Rs 625.

**Biodiversity Characterisation at Landscape Level in North-East India using Satellite, Remote Sensing and Geographic Information System – A Joint Project of the Department of Biotechnology and Department of Space,**

**Govt. of India:** Indian Institute of Remote Sensing, Department of Space, Govt. of India, Dehradun 248 001, 296 pages. Price not mentioned.

**Biogas Technology:** B. T. Nijaguna. New Age International (P) Ltd., 4835/24, Ansari Road, Daryanganj, New Delhi 110 002. 287 pages. Price not mentioned.

**The Biology of Numbers:** Giorgio Israel and Ana Millan Gasca. Birkhauser Verlag, P.O. Box 133, CH-4010, Basel, Switzerland. 405 pages. Price not mentioned.

**Bones – Structure and Mechanics:** John D. Curry. Princeton University Press, 41, William Street, Princeton, New Jersey 08540, USA. 436 pages. Price not mentioned.

**S. N. Bose – The Immortal Scientist:** Dilip M. Salwi. Rupa and Co., 7/16 Ansari Road, Daryanganj, New Delhi 110 002. 85 pages. Rs 95.

**Concepts in Space Science:** R. R. Daniel (ed). Universities Press (India) Pvt. Ltd. 3-5-819 Hyderguda, Hyderabad 500 029. 392 pages. Rs 325.

**Constructed Wetlands for Wastewater Treatment in Cold Climates:** U. Mander and P. Jenssen (eds). WIT Press, Ashurst Lodge, Ashurst, Southampton, SO 40 7AA, UK. 325 pages. \$179.

**Contemporary Nuclear Debates, Missile Defense, Arms Control and Arms Races in the Twenty-First Century:** Alexander T. J. Lennon (ed.). MIT Press, 5, Cambridge Centre, Cambridge, MA 02142, USA. 332 pages. Price not mentioned.

**Controlled Drug Delivery – Concepts and Advances:** S. P. Vyas and Roop K. Kanwar. Vallabh Prakashan, AP-53A Pitampur, Delhi 110 088. 616 pages. Rs 550.

**Creeks, Estuaries and Mangroves Pollution and Conservation. Proceed-**

**ings of National Seminar:** Goldin Quadros (ed.). Zoology Department, V. P. M's B. N. Bandodkar College of Science, Jnanadweepa, Chendni, Bunder Road, Thane (West) 400 601.

**Decrypted Secrets – Methods and Maxims of Cryptology, 3rd edn:** Friedrich L. Bauer. Springer-Verlag, GmbH and Co. KG, Tiegartenstra 17, D-69121 Heidelberg, Germany. 240 pages. \$69.95.

**Eco-Degradation, Biodiversity and Health:** B. N. Pandey (ed.). Daya Publishing House, 1123/74, Deva Ram Park, Tri Nagar, Delhi 110 035. 335 pages. Price not mentioned.

**Einstein from B to Z, 2002, Einstein Studies Vol. 9:** John Stachel. Birkhauser-Verlag, P.O. Box 133, CH-4010, Basel, Switzerland. 556 pages. Price not mentioned.

**Essays on History of Pre-Columbian America:** Sharad Hebalkar. Babasaheb Apathe, Smaraka Samiti, Maharashtra. 132 pages. Rs.100.

**Explaining the Universe:** John M. Charap. Princeton University Press, 41, William Street, Princeton, New Jersey 08540, USA. 226 pages. Price not mentioned.

**The Extravagant Universe:** Robert P. Kirshner. Princeton University Press, 41, William Street, Princeton, New Jersey 08540, USA. 282 pages. Price not mentioned.

**Flora of Kolhapur:** S. R. Yadav and M. M. Sardesi. Shivaji University, Kolhapur 416 004. 680 pages. Rs 1500.

**Forest Cover Assessment in Asia. Proceedings of the International Workshop on Asian Forest Cover Assessment and Conservation Issues:** Indian Institute of Remote Sensing in collaboration with the Joint Research Centre, Institute of Environment and Sustainability (European Commission),

Ispira, Italy. 369 pages. Price not mentioned.

**Four Decades of Marine Geosciences in India – A retrospect. Proceedings of the Geological Survey of India, Spl. Publication No. 74:** Geological Survey of India. 325 pages. Price not mentioned.

**From Rio de Janeiro to Johannesburg – Action Today and Not Just Promises For Tomorrow:** M. S. Swaminathan. East West Books (Madras) Pvt. Ltd., 571, P.H. Road, Aminjikarai, Chennai 600 029. 224 pages. Rs 150.

**Fundamentals of Plant Bacteriology:** Jayashree Jayaraman and Jeevan Prakash Verma. Kalyan Publishers, 4779/23, Ansari Road, Daryaganj, New Delhi 110 002. 129 pages. Rs 120.

**Geometry – Our Cultural Heritage:** Audin Holme, Springer-Verlag. GmbH and Co., KG, Auslieferungs-Gaesellschaft, Haberstraße 7, D-69126 Heidelberg, Germany. 378 pages. Price not mentioned.

**The Green Pharmacy:** James A. Duke. Scientific Publishers, P.O. Box 91, 5a New Pali Road, Jodhpur 342 001. 508 pages. Rs 850.

**Henri Poincare – Scientific Opportunism L’Opportunisme Scientifique – An Anthology (in French):** Compiled by Louis Rougier and edited by Laurent Rollet. Birkhauser-Verlag, P. O. Box 133, CH-4010, Basel, Switzerland. 208 pages. Price not mentioned.

**The Human Immunodeficiency Virus – Biology, Immunology and Therapy:** Emilio A. Emimi (eds). Princeton University Press, 41 William Street, Princeton, New Jersey 08540, USA. 532 pages. \$75.

**Imitation in Animals and Artifacts:** Kerstin Dautenhahn and Christopher L. Nehaniv (eds). The MIT Press, 5, Cambridge Centre, Cambridge, MA 02142-1407, Massachusetts, USA. 607 pages. Price not mentioned.

**India's Interaction with China, Central and West Asia:** A. Rahman (ed.) Oxford University Press India, Oxford House, 219 Anna Salai, P. B. 1079, Chennai 600 006. 533 pages. Rs 1750.

**An Introduction to Environmental Study:** K. P. Srivastava. Kalyani Publishers, B-1/1292 Rajendra Nagar, Ludhiana 141 008. 395 pages. Rs 195.

**Introduction to Molecular Medicine, 3rd edn:** Dennis W. Ross. Springer-Verlag, GmbH and Co. KG, Tiegartenstraße 17, D-69121 Heidelberg, Germany. 153 pages. \$39.95.

**Introduction to Polarography and Allied Techniques:** Kamala Zutshi. New Age International (P) Ltd., 4835/24, Ansari Road, Daryaganj, New Delhi 110 002. 265 pages. Price not mentioned.

**Land Use – Historical Perspectives – Focus on Indo-Gangetic Plains:** Yash P. Abrol *et al.* Allied Publishers Pvt. Ltd., 1-104 Mayapuri, Phase II, New Delhi 110 064.

**Leonardo’s Laptop – Human Needs and the New Computing Technologies:** Ben Shneiderman. The MIT Press, 5, Cambridge Centre, Cambridge, MA 02142-1407, USA. 269 pages. Price not mentioned.

**Linear Operators and Matrices – The Peter Lancaster Anniversary Volume:** Israel Gohberg and Heinz Langer (eds). Birkhauser Verlag, P.O. Box 133, CH-4010 Basel, Switzerland. 281 pages. Price not mentioned.

**Meghnad Saha – Scientist with a Special Mission:** Dilip M. Salwi. Rupa & Co., 7/16 Ansari Road, Daryaganj, New Delhi 110 002. 68 pages. Rs 150.

**Microarrays For An Integrated Genomics:** Isaac S. Kohane *et al.* The MIT Press, 5, Cambridge Centre, Cambridge, MA 02142-1407, USA. 245 pages. Price not mentioned.

**Microlide Antibiotics:** W. Schonfeld and H. A. Kirst (eds). Birkhauser Verlag AG, P. O. Box 133, CH-4010 Basel, Switzerland. 323 pages. Price not mentioned.

**Name Reactions:** Jie Jack Li. Springer-Verlag, GmbH and Co. KG, Tiegartenstraße 17, D-69121 Heidelberg, Germany. 416 pages. \$79.95.

**Neuroscience – A Mathematical Primer:** Alwyn Scott. Springer-Verlag, GmbH &

Co., KG, Auslieferungs\_Gaesellschaft, Haberstraße 7, D-69126 Heidelberg, Germany. 351 pages. \$49.95.

**Patterns for Supramolecular Design:** Subramania Ranganathan (ed.) New Age International (P) Ltd. 4835/24, Ansari Road, Daryaganj, New Delhi 110 002. 123 pages. Price not mentioned.

**People of India – Kerala, Parts 1, 2 and 3, Vol. XXV11:** K. S. Singh *et al.* Affiliated East-West Press Pvt. Ltd., 105 Nirmal Tower, 26, Barkhamba Road, New Delhi 110 001. 490, 1132 and 1704 pages. Rs 2015.

**Polarography and Allied Techniques:** V. Suryanarayna Rao. Universities Press (India) Pvt. Ltd., 3-5-819 Hyderguda, Hyderabad 500 029. 202 pages. Rs 60.

**Power Electronics and Its Applications:** Alok Jain. Penram International Publishing (India) Pvt. Ltd., 313 Bussa Udyog Bhavan, T.J. Road, Sewree, Mumbai 400 015, 424 pages. Price not mentioned.

**Proceedings of National Seminar on Geodynamics and Environment Management of Himalaya:** H. C. Nainwal and C. Prasad (eds). Dept. of Geology, H. N. B. Garhwal University, Srinagar Garhwal, Uttaranchal. 311 pages. Price not mentioned.

**Pursuit and Promotion of Science – The Indian Experience:** S. K. Sahni, Executive Secretary, INSA, Bahadur Shah Zafar Marg, New Delhi 110 001. 399 pages. Price not mentioned.

**Quantum (Un)speakables From Bell to Quantum Information:** R. A. Bertlmann and A. Zeilinger (eds). Springer-Verlag, GmbH and Co. KG, Tiegartenstraße 17, D-69121 Heidelberg, Germany. 483 pages. \$89.95.

**Quasicrystals: An Introduction to Structure, Physical Properties and Applications:** J.-B. Suck *et al.* Springer-Verlag, GmbH & Co. KG, Auslieferungs\_Gaesellschaft, Haberstraße 7, D-69126 Heidelberg, Germany. 351 pages. \$49.95.

**C. V. Raman – The Scientist Extraordinary:** Dilip M. Salwi. Rupa & Co, 7/16 Ansari Road, Daryaganj, New Delhi 110 002. 63 pages. Rs 95.

**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](mailto:dimrivp@rediffmail.com). For more details visit us at: [www.ngri.org.in](http://www.ngri.org.in)