

## INDIAN JOURNAL OF HISTORY OF SCIENCE

### ANNUAL CONTENTS: VOL. 47.1-4 (2012)

#### Vol. 47.1 (2012)

Ancient Chinese People's Knowledge of Macrofungi during the period from 220 AD to 589 AD Lu Di	1
<i>Bilva</i> in Indian Tradition Dhananjay Vasudeo Dwivedi	37
The Gurmukhi Astrolabe of the Maharaja of Patiala Sreeramula Rajeswara Sarma	63
Role of Scientists in Colonial Bengal Jagdish N Sinha	93
<b>Historical Notes</b>	
Swami Vivekananda's Thoughts on Science and Religion Sisir K Majumdar	105
Commissions & Committees on Technical Education in Independent India: An Appraisal Samir Kumar Saha and Sangita Ghosh	109
<b>Book Review</b>	
<i>La Vintage Métallurgie: 60 Years of Marriage of Science to Industry</i> Arun Kumar Biswas	139
<b>Project Reports</b>	
History of the Ordnance Establishments of British India: 1700-1947 Kaushik Roy	145
Documentation of Cannons of Eastern India Pranab K Chattopadhyay	157
<b>News</b>	
Magic Square for 2012 S R Sarma	169
Seminar on Profiles of Twentieth Century Science in India: A Report Madhvendra Narayan	171
<b>Supplement</b>	
<i>Kuṭṭākāraśiromaṇi of Devarāja</i> —Sanskrit Text with Eng. tr., Notes and Appendices (Chap. 3 Eng. Tr., Notes and Appendices) Takao Hayashi	S167-S192

(ii)

INDIAN JOURNAL OF HISTORY OF SCIENCE

**Vol. 47.2 (2012)**

Prevention of Cancer: Evolution of Concepts and Strategies Sukta Das	175
Utilization of Borax in the Pharmaceutico-therapeutics of Āyurveda in India Naveena Kodlady and B J Patgiri	191
Smallpox in Nineteenth Century Bengal Arabinda Samanta	211
Colonialism and Green Science: History of Colonial Scientific Forestry in South India, 1820-1920 V M Ravi Kumar	241
Silting and Ancient Sea-Ports of the Tamil Country Jean Deloche	261

**Historical Notes**

Asymmetrical <i>Vedis</i> in <i>Śulbasūtras</i> B S Shylaja	271
Patient-centered Therapy of Āyurveda: Approaches and Applications Vaidyaratnam R Raghavan	281
International Chemistry Year: Centenary of Marie Curie's Second Nobel Laurel, 1911 Sisir K Majumdar	287

**Book Review**

K Ramasubramanian & M S Sriram; <i>Tantrasaṅgraha of</i> <i>Nīlakaṇṭha Somayājī</i> Anil Narayanan	291
--	-----

**Project Reports**

Calcuttan Science 1784-1930 and the Awakening in India Arun Kumar Biswas	297
Science and Nationalism in Bengal 1876-1947: Asutosh Mookerjee and Mathematics Chittabrata Palit	305

**News**

VIII <sup>th</sup> History of Science Project Investigators' Meet 2012 — A Report Madhvendra Narayan	311
---	-----

**Vol. 47.3 (2012)**

The <i>Manda</i> Puzzle in Indian Astronomy Anil Narayanan	317
Indian Cholera: A Myth Srabani Sen	345
The Era of Science Enthusiasts in Bengal (1841-1891): Akshayakumar, Vidyasagar and Rajendralala Arun Kumar Biswas	375
The Violin and the Genesis of the Bose Institute in Calcutta Probir K Bondyopadhyay and Lily Banerjee	427
Mathematics and Mathematical Researches in India during Fifth to Twentieth Centuries — Profiles and Prospects A K Bag	473

**Historical Notes**

Archaeo-astronomical Significance of the Vedic <i>Dārśapaurṇamāsa</i> Altar R N Iyengar and V H Satheeshkumar	513
Professor Ganesh Prasad: An Epitome of Teaching and Research in Modern Mathematics in India U B Tewari	521

**Book Review**

Harkishan Singh: <i>Pioneers of Pharmaceutical Industry</i> B N Dhawan	527
---	-----

**Project Reports**

Stone Inscriptions as Records of Celestial Events B S Shylaja and Geetha Kaidala	533
The <i>Siddhānta Śekhara</i> of Śr pati (11 <sup>th</sup> Century) - Text and English Translation A Sripada Bhat	539

**Announcements**

543

**Vol. 47.4 (2012)**

## Editorial

Accounts of Pathogenic Organisms in the early Texts of Ayurveda P. Ram Manohar	545
Significance of <i>Asakṛt-Karma</i> in Finding <i>Manda-Karṇa</i> Deepak P. Kaundinya, K. Ramasubramanian and M.S. Sriram	561
Folding method of Nārāyaṇa Paṇḍita for the Construction of <i>Samagarbha</i> and <i>Viṣama</i> Magic Squares Raja Sridharan and M. D. Srinivas	589
Nārāyaṇa Paṇḍita's Enumeration of Combinations and Associated Representation of Numbers as Sums of Binomial Coefficients Raja Sridharan, R. Sridharan and M. D. Srinivas	607
Nārāyaṇa's Treatment of Varga-Prakṛti Amartya Kumar Dutta	633
Mādhava—A Great Kerala Mathematician of Medieval Times A.K. Bag	679
<i>Veṅvāroha</i> from a Modern Perspective S. Madhavan	699
Relation between the Arc and the Rsine in <i>Tantrasaṅgraha</i> and other Kerala Works M.S. Sriram, K. Ramasubramanian and R. Venketeswara Pai	719
Sines and Interpolation in India V. Madhukar Mallayya	737
Birth of Calculus with special reference to <i>Yuktibhāṣā</i> P.P. Divakaran	771
Books Received for Review 2012	833
<b>Cumulative Index:</b> Vol. 47.1-4 (2012)	835
<b>Annual Contents:</b> Vol. 47.1-4 (2012)	