

INDIAN JOURNAL OF HISTORY OF SCIENCE

Cumulative Index : Vol. 47.1-4 (2012)

- Accounts of Pathogenic Organisms in the Early Texts of Ayurveda 545-559
- Ayurveda-Infections
 - Microbes
 - Manohar, P Ram
 - Parasites
 - Pathogens
 - Sepsis
 - Vector
 - Worms
- Ancient Chinese People's Knowledge of Macrofungi during the Period from 220 AD to 589 AD 1-36
- Ancient China
 - Di LU
 - Fu Ling
 - History of science
 - Macrofungi
 - Taoism
 - Zhi
- Bag, A K 473-512,679-697
- Mathematics and Mathematical Researches in India during Fifth to Twentieth Centuries: Profiles and Prospects
 - Mādhava— A Great Mathematician of Medieval Times
- Bhat A Sripada, 539-542
- The *Siddhāntaśekhara* of Śrīpati (11th century)- Text and English Translation
 - Reports Projects
- Bilva* in Indian Tradition 37-62
- *Bilva*
 - Culture
 - Dwivedi, Dhananjay Vasudeo
 - Medicinal
 - *Tantra*
 - Sacred
 - Tradition
- Birth of Calculus with special reference to *Yuktibhāṣā* 771-832
- Aryabhatiya
 - Decimal numbers
 - Difference
 - Differential and integralequations
 - Divakaran, P P
 - Fundamental theorem of calculus
 - Local linearisation
 - Nila school
 - Power series
 - Sine table
- Biswas, Arun Kumar 139-144, 297-304, 375-426
- La Vintage Métallurgie: 60 years of 'Marriage of Science to Industry,
 - Book review
 - Calcuttan Science (1784-1930) and the Awakening in India
 - Reports Projects
 - The Era of Science Enthusiasts Triumvirate in Bengal (1841-1891): Akshayakumar, Vidyasagar and Rajendralala
- Book Reviews**
- La Vintage Métallurgie: 60 years of 'Marriage of Science to Industry (Biswas, Arun Kumar) 139-144
 - Ramasubramanian, K. & Sriram, M.S.; *Tantrasangraha of Nilakantha Somayaji* (by Narayanan, Anil) 291-296
 - Harkishan Singh: *Pioneers of Pharmaceutical Industry* (by Dhawan, BN) 527-532
- Bondyopadhyay, Probir K and Banerjee, Lily 427-472
- The Violin and the Genesis of the Bose Institute
- Colonialism and Green Science: History of Colonial Scientific Forestry in South India, 1820- 1920 241-260
- Colonialism
 - Conservation
 - Forestry
 - Kumar, V M Ravi
 - Plantations
 - Science
 - Sylviculture
 - Tribes

- Das, Sukta 175-190
- Prevention of Cancer: Evolution of Concepts and Strategies
- Deloche, Jean 261-270
- Silting and Ancient Sea-Ports of the Tamil Country
- Dhawan, BN 527-532
- Pioneers of Pharmaceutical Industry
- Book Review
- Di LU 1-36
- Ancient Chinese People's Knowledge of Macrofungi during the Period from 220 AD to 589 AD
- Divakaran, P P 771-832
- Birth of Calculus with special reference to *Yuktibhāṣā*
- Dutta, Amartya Kumar 633-677
- Nārāyaṇa's Treatment of *Varga-Prakṛti*
- Dwivedi, Dhananjay Vasudeo 37-62
- *Bilva* in Indian Tradition
- Folding Method of Nārāyaṇa Paṇḍita for the Construction of *Samagarbha* and *Viṣama* Magic Squares 589-605
- *Bhadragāṇita*
- Magic squares
- Srinivas, M D
- Pan-diagonal magic squares
- Sridharan, Raja
- *Samagarbha*
- *Sampuñavidhi* or folding method
- *Viṣama*
- Hayashi Takayo S167-192
- *Kuttakarasiromani of Devaraja* — Sanskrit Text with Eng. Tr., Notes and Appendices (Chap 3 Eng. Tr., Notes and Appendices)
- Supplements
- Historical Notes**
- Archaeo-astronomical Significance of the Vedic *Darśapūrṇamāsa* Altar Iyengar, R N and Satheeshkumar, V H, 513-520
- Asymmetrical Vedis in *Sulbsūtrās*, Shylaja, B 271-280
- Commissions & Committees on Technical Education in Independent India: An Appraisal Saha, Samir Kumar and Ghosh, Sangita, 109-138
- International Chemistry Year: Centenary of Marie Curies Second Nobel Laurel, 1911, Majumdar, Sisir Kr, 287-290
- Professor Ganesh Prasad: An Epitome of Teaching and Research in Modern Mathematics in India, Tiwari U B, 521-526
- Swami Vivekananda's thoughts on Science and Religion, Majumdar, Sisir K 105-108
- The Applicative Potentialities of Āyurveda: Superiority of patient-oriented treatment underpinned by the Vedas, Raghavan, Vaidyaratnam, R. 281-286
- Indian Cholera: A Myth 345-374
- *Bishuchika*
- Cholera morbus
- Genetic diversity
- *Ola-ota*
- *Ola-bibi*
- Pathogenic and non-pathogenic forms
- Sen, Srabani
- *Vibrio cholerae*
- Iyengar, R N and Satheeshkumar, V H, 513-520
- Archaeo-astronomical Significance of the Vedic *Darśapūrṇamāsa* Altar
- Historical Notes
- Kodlady, Naveena and Patgiri, B J 191-210
- Utilization of Borax in the pharmaceutico-therapeutics of *Āyurveda* in India
- Kumar, V M Ravi 241-260
- Colonialism and Green Science: History of Colonial Scientific Forestry in South India, 1820-1920
- Kaundinya, D P 561-587
- Significance of *Askṛt-karma* in finding *Mandakarṇa*
- Mādhava— A Great Mathematician of Medieval Times 679-697
- Bag, AK
- Concept of Sine and Cosine functions
- Early Indian scholars' values of π
- Lineage of Kerala school of mathematics
- Mādhava
- Mādhava's value of π in series
- Mādhava's correction of π series for better result

- Methods of derivation
- Sine and Cosine power series
- Sine and versed sine tables
- Madhavan S, 699-717
 - *Veṅvāroha* from a Modern Perspective
- Majumdar, Sisir K 105-108, 287-290
 - Swami Vivekananda's thoughts on Science and Religion
 - International Chemistry Year: Centenary of Marie Curies Second Nobel Laurel, 1911,
 - Historical Note
- Mallayya, V Madhukar 737-770
 - Sines and Interpolation in India
- Manohar, P Ram 545-559
 - Accounts of Pathogenic Organisms in the Early Texts of Ayurveda
- Mathematics and Mathematical Researches in India during Fifth to Twentieth Centuries — Profiles and Prospects 473-512
 - Algebra
 - Analysis
 - Bag, A K
 - Binomial expansion
 - Calculus
 - Differential equation
 - Fluid and solid Mechanics
 - Indian Statistical Institute
 - Kerala Mathematics
 - *Kuṭṭaka*
 - Mathematical Modeling
 - Mathematical Societies- Calcutta, Madras and Allahabad
 - Numbers
 - Probability and Statistics
 - TIFR
 - Universities of Calcutta, Madras and Bombay
 - *Vargaprakṛti*
- Nārāyaṇa Paṇḍita's Enumeration of Combinations and Associated Representation of Numbers as Sums of Binomial Coefficients 607-631
 - Binomial coefficients
 - Combinatorial representation of numbers
 - *Meru*
 - *Naṣṭa*
 - *Prastāra* or enumeration
 - Sridharan, Raja
- Sridharan, R
- Srinivas, M D
- *Uddiṣṭa*
- *Vikalpa* or combinations
- Nārāyaṇa's Treatment of *Varga-Prakṛti* 633-677
 - Cakravāla
 - Dutta, Amartya Kumar
 - Nārāyaṇa Paṇḍita
 - Rational approximation
 - Simple continued fraction
- News**
 - Magic Square for 2012, Sarma, SR, 169-170
 - VIIIth History of Science Project Investigator's Meet 2012: A Report, Narayan Madhvendra, 311-316
- Narayan, Madhvendra, 311-316
 - VIIIth History of Science Project Investigator's Meet 2012: A Report
 - News
- Narayanan, Anil, 291-296, 317-344
 - *Tantrasaṅgraha* of Nīlakaṇṭha Somayaji
 - Book Review
 - The *Manda* Puzzle in Indian Astronomy
- Pai, R Venketeswara 719-736
 - Relation between the Arc (*cāpa*) and the Rsine (*bhujā*) in *Tantrasaṅgraha* and other Kerala Works
- Palit, Chittabrata, 305-310
 - Science and Nationalism in Bengal 1876-1947: Asutosh Mookerjee and Mathematics
 - Reports Projects
- Prevention of Cancer: Evolution of Concepts and Strategies 175-190
 - Cancer risk factors
 - *Caraka Samhitā*
 - Carcinogenesis
 - Das, Sukta
 - Life cycle modification
 - Preventive oncology
 - *Suśruta Samhitā*
- Raghavan, Vaidyaratnam, R. 281-286
 - The Applicative Potentialities of Āyurveda: Superiority of patient-oriented treatment underpinned by the Vedas
 - Historical notes

Ramasubramanian, K 291-296,561-587, 719-736

- Book review
- Significance of *Asakṛt-karma* in finding *Manda-karṇa*
- Relation between the Arc (*cāpa*) and the Rsine (*bhujā*) in *Tantrasaṅgraha* and other Kerala Works

Relation between the Arc (*cāpa*) and the Rsine (*bhujā*) in *Tantrasaṅgraha* and other Kerala Works 719-736

- *Bhujā* (Rsine)
- *Cāpa* (arc)
- *Bhujācāpāntara*
- Iterative method
- Sriram, M
- Ramasubramanian, S K
- Pai, R Venketeswara

Reports Projects

- History of the Ordnance Establishment of British India, Kaushik Roy 145-156
- Calcuttan Science (1784-1930) and the Awakening in India, Biswas, Arun Kumar 297-304
- Science and Nationalism in Bengal 1876-1947: Asutosh Mookerjee and Mathematics, Palit, Chittabrata, 305-310
- Stone Inscriptions as Records of Celestial Events, Shylaja, B S and Kaidala, Geetha 533-538
- The *Siddhāntaśekhara* of Śrīpati (11th century)- Text and English Translation, Bhat A Sripada, 539-542

Roy Kaushik 145-156

- History of the Ordnance Establishment of British India
- Project reports

Role of Scientists in Colonial Bengal 93-104

- Bengal
- Colonial rule
- Freedom movement
- Nationalism
- Scientist
- Second World War
- Sinha, Jagdish N
- Swadeshi

Saha, Samir Kumar and Ghosh, Sangita 109-138

- Commissions & Committees on Technical Education in Independent India: An Appraisal
- Historical Note

Samanta, Arabinda 211-240

- Smallpox in Nineteenth Century Bengal

Sarma, Sreeramula Rajeswara 63-92, 169-170

- The Gurmukhi Astrolabe of the Maharaja of Patiala

- Magic Square for 2012

Sen, Srabani 345-374

- Indian Cholera: A Myth

Shylaja, B S 271-280

- Asymmetrical Vedis in *śulbsûtrās*
- Historical notes

Shylaja, B S and Kaidala, Geetha 533- 538

- Stone Inscriptions as Records of Celestial Events
- Reports Projects

Significance of *Asakṛt-karma* in finding *Manda-karṇa* 561-587

- *Asakṛt-karma*
- *Aviśeṣa-karma*
- *Bhujā*,
- Eccentricity
- Equation of centre
- Iterative process
- Kaundinya, D P
- *Koṭi*
- *Manda-karṇa*
- *Manda-samskāra*
- Ramasubramanian, K
- *Sakṛt-karma*
- Sriram, M S

Silting and Ancient Sea-Ports of the Tamil Country 261-270

- Coastal barrier
- Deloche, Jean
- Geomorphological
- Neolithic
- Palynology
- Navigation
- Sedimentation

Sines and Interpolation in India 737-770

- *Aryabhaṭīya*
- Brahmagupta

- Golasāra (Chap 3 Eng. Tr., Notes and Appendices) 167-192
- Mādhava
- Mallayya, V Madhukar
- Marīci
- Parameśvara
- Vaṭeśvara-siddhānta, *- Yuktibhāṣā*
- Singh, Harkishan 527-532
- *Pioneers of Pharmaceutical Industry*
- Book Review
- Sinha, Jagdish N 93-104
- Role of Scientists in Colonial Bengal Smallpox in Nineteenth Century Bengal 211-240
- *Basanta Roga*
- Inoculation
- *Masurika*
- Samanta, Arabinda
- *Sitala*
- *ṭīkādārs*
- Vaccination
- Vaccine lymph
- Sridharan, R 607-631
- Nārāyaṇa Paṇḍita's Enumeration of Combinations and Associated Representation of Numbers as Sums of Binomial Coefficients
- Sridharan, Raja 589-605, 607-631
- Folding Method of Nārāyaṇa Paṇḍita for the Construction of *Samagarbha* and *Viṣama* Magic Squares
- Nārāyaṇa Paṇḍita's Enumeration of Combinations and Associated Representation of Numbers as Sums of Binomial Coefficients
- Srinivas, M D 589-605, 607-631
- Folding Method of Nārāyaṇa Paṇḍita for the Construction of *Samagarbha* and *Viṣama* Magic Squares
- Nārāyaṇa Paṇḍita's Enumeration of Combinations and Associated Representation of Numbers as Sums of Binomial Coefficients
- Sriram, M.S. 291-296, 561-587, 719-736
- Book review
- Significance of *Asakṛt-karma* in finding *Manda-karṇa*
- Relation between the Arc (*cāpa*) and the Rsine (*bhujā*) in *Tantrasaṅgraha* and other Kerala Works
- Supplement**
- *Kuṭṭakārasīromaṇi of Devarāja* — Sanskrit Text with Eng.Tr., Notes and Appendices
- Hayashi Takayo
- Tewari U B, 521-526
- Professor Ganesh Prasad: An Epitome of Teaching and Research in Modern Mathematics in India
- Historical Notes
- The Era of Science Enthusiasts Triumvirate in Bengal (1841-1891): Akshayakumar, Vidyasagar and Rajendralala 375-426
- Akshayakumar
- Biswas, Arun Kumar
- Botanical Collection
- Geography
- Muslim Community approach to Science
- Phrenology
- Rajendralala
- Science enthusiasts (1841-1891)
- Technical Sciences
- Triumvirate
- Positivism
- Vidyasagar
- The Gurmukhi Astrolabe of the Maharaja of Patiala 63-92
- Astrolabe
- Astrological tables
- Bhālūmal
- Geographical gazetteer
- Gurmukhiscript
- *Kursī*
- Maharaja of Patiala
- MalayenduSūri
- RahīmBakhsh
- *Rete*
- Rishīkes
- Sarma, Sreeramula Rajeswara
- Shadow squares
- Star pointers
- Zodiac signs
- The *Manda* Puzzle in Indian Astronomy 317-344
- Aphelion apogee
- Average planet solar apogee (APSA)
- *Manda*
- *Mandoccha*
- Narayanan, Anil

- *śeegra*
- *śeegroccha*
- *Sūrya-Siddhānta*
- The Violin and the Genesis of the Bose Institute
427-472
- Bondyopadhyay, Probir K and Banerjee, Lily
- Bose Institute
- Ole Bull
- Resurrection of Science Research in India
- Sara Chapman Bull
- Swami Vivekananda
- Stradivari Violin
- Utilization of Borax in the pharmaceutico-
therapeutics of *Āyurveda* in India 191-210
- *Āyurveda*
- Kodlady, Naveena and Patgiri, B J
- *Kṣāra*
- *Rasaśāstra*
- Skin diseases
- *lañka*
- Veṅvāroha* from a Modern Perspective 699-717
- Anomalistic period
- *Candravākyas*
- *Dhruva*
- Madhavan S
- *Mandocca*
- Periodic function
- *Sphuṭa*