#### INDIAN JOURNAL OF HISTORY OF SCIENCE

## Cumulative Index: Vol. 55.1-4 (2020)

India, 203-217

- Iyengar R. N. – Sudarshan H. S. - Viswanathan Anand
- Brhatī-chandas - Gurvakṣara
- $L\bar{\imath}l\bar{a}khel\bar{a}$
- Oral calibration - Prātaranuvāka - Time unit
- Vedic recitation
- Vighatikā - Water-clock

An Alternative History of Technology in South Asia: The Unknown Viśvakarmās of Colonial Bengal, 49-59

- Sarkar Suvobrata
- Alternative history of technology
- Modern  $vi\acute{s}vakarm\bar{a}s$
- Subaltern technologists.

Basu Saumitra, 83-93

- Hundred Years of Forensic Science in India (1849-1947): A Historical Perspective
- Project Report

Bisht Deepa, 334-343

- Woods used in 10th Century Trans Himalayan Tabo Buddhist Monastery of India Boddupalli Raghava S., 173–182

- Traditional Use of Legume Seeds for Weighing Gold in India
- Historical Note

# Correspondence

- Retrograde motion: The Derivation of Formula, Kumar Tejas, Shubha B S, Shylaja B S, 363-367

Das Gargi, 264–268

- Kadambini Ganguly: A Forgotten Legend
- Historical Note

Dev Suvankar, 125–138

- The Silent Killer: Tracing the Trajectory of Tubercular Deaths in Colonial Bengal

Dhiman K. S., 289-304

- The Epigraphic Evidences on Ayurveda and Indian Medical Heritage

Dutta Robin Kumar, 368-374

- The Science and Technology of Manuscript Writing-aid and Folk Paintings in Medieval
- Project Report

Aksara the Basic Unit of Time Measure in Ancient Fractal Geometry in Water Conservation Structures: Step Wells and Tanks in India, 139-159

- Parmar Samirsinh P. - Mishra Debi Prasad - Fractal geometry - Kunda (water tanks)
- Self-similarity

- Step well

Frédéric Sacc (1819–1890) Contribution to Plant and Animal Physiology, 247–256

- Wisniak Jaime
- Colour of animals
- Egg yolk
- Fertilised egg
- Pectin
- Resins
- Salt in agriculture

G.M.M.C. Diploma of the Madras Medical College, 1847–1863, 113–124

- Raman Anantanarayanan
- Ambrose Blacklock
- Robert Davidson
- Examination process
- Graduation ceremony
- Indian students
- Subjects taught
- James Shaw
- Thomas Key

Goswami Barsha R, 368–374

- The Science and Technology of Manuscript Writing-aid and Folk Paintings in Medieval Assam
- Project Report

Gupta Prachi, 334–343

- Woods used in 10th Century Trans Himalayan Tabo Buddhist Monastery of India

Gupta Sangeeta, 334–343

- Woods used in 10th Century Trans Himalayan Tabo Buddhist Monastery of India

#### **Historical Notes**

- Sir C. V. Raman Nobel Ceremony Coverage by the European Press, Singh Rajinder, 72–82
- Traditional Use of Legume Seeds for Weighing Gold in India, Boddupalli Raghava S., 173–182
- Kadambini Ganguly: A Forgotten Legend, Das  $Gargi,\ 264–268$
- Nikhil Rajan Sen- The Formative Years, Singh Rajinder, 269-278
- Plant Domestication in Indus Valley Civilisation,

Mohanty R. B., Panda T., 349–353

– Professor Manindra Chandra Chaki (1913 – 2007): A Legendary Indian Geometrician, Koley Sanatan, 354–362.

Hindi Protagonists of Science and Swadeshi in the First Half of the Twentieth Century, 235–246

- Singh Dhrub Kumar
- Allahabad
- Banaras
- Bhotiki
- Ganita
- Hindi writers
- Krisi
- $Ras\bar{a}yana$
- Science
- Svāsthya
- Swadeshi
- Vigyan Parishad
- Vijñāna

Historical Perspectives of Geological Concepts from Biblical to Modern Times, 305–317.

- Lahiri Sudipta
- Sengupta B. J.
- Age of earth
- Earth science concepts
- Environmental geology
- Geomorphology
- Global plate tectonics
- Great Ice age
- Observational science
- Radiometric dating of rocks
- Remote sensing and geological mapping
- Stratigraphy
- Systemic theory
- Uniformitarianism

History of Mining in India, 218-234

- Soni A. K.
- Ancient time
- Civilization
- Coal mining
- History
- Mining
- Metal mining

Hundred Years of Forensic Science in India (1849–1947): A Historical Perspective, 83–93

- Basu Saumitra
- Project Report

Indian Tradition of Palm Print Authentication and the Globetrotting Journey of Kohinoor Diamond, 344–348.

- Kaur Jasjeet
- Sodhi G. S.
- Fingerprints

- Kohinoor
- Palm prints
- Treaty

Iyengar R. N., 203–217

 $-\ Akṣara$  the Basic Unit of Time Measure in Ancient India

Jamal S. H. Zahid, 279-287

- Meta-analytical Study of Cardiac Drugs described by IbnSina (980–1037) in the Contemporary Research
- Project Report

Kadambini Ganguly: A Forgotten Legend, 264–268

- Das Gargi
- Historical Note
- Brahmo clan
- Dwarakanath Ganguly
- Dufferin fund
- Kadambini Ganguly
- Gynaecologist
- Western medicine.

Kamini S., 257-263

– The History and Functioning of the Forest Department in Madras Presidency during 1856–1882

Kaur Jasjeet, 344–348

– Indian Tradition of Palm Print Authentication and the Globetrotting Journey of Kohinoor Diamond

Kolachana Aditya, 1–25, 99–112

- Precise Determination of the Ascendant in the Lagnaprakarana II
- Precise Determination of the Ascendant in the Lagnaprakarana III

Koley Sanatan, 354–362.

- Professor Manindra Chandra Chaki (1913 2007): A Legendary Indian Geometrician.
- Historical Note

Kumar Tejas, 363–367

- Retrograde motion: The Derivation of Formula
- Correspondence

Lahiri Sudipta, 305–317.

– Historical Perspectives of Geological Concepts from Biblical to Modern Times

Letters between Geologists A. L. du Toit and M. S. Krishnan (1946–1947) on the Palaeoposition of Ceylon in Relation to Gondwana, 318–324

- Master Sharad
- Alexander Logie du Toit
- Continental drift

- Gondwana reconstruction
- Granulites
- Maharajapuram Sitaram Krishnan
- Sri Lanka

Ligira Niranjan, 368–374

- The Science and Technology of Manuscript Writing-aid and Folk Paintings in Medieval Assam
- -Project Report

Ling -Li, 194-202

- Religious Art and Culture in 2019: Thousand Faces of the Buddha
- Seminar Report

Mahesh K., 1–25, 99–112

- Precise Determination of the Ascendant in the Lagnaprakarana II
- Precise Determination of the Ascendant in the Lagnaprakarana III

Manohar P. Murali, 289–304

– The Epigraphic Evidences on Ayurveda and Indian Medical Heritage

Marble-like chûnnam in the 18th- and 19th-century Madras Presidency, 26–39

- Raman Anantanarayanan
- Çûnnāmbu
- Jaggery
- John Smith
- Kadukk $\bar{a}i$
- Limestone Mortar
- Magnesite
- Portland Cement
- Seashells
- Vegetable Material.

Master Sharad, 160–172, 318–324

- The Wartime Correspondence (1939–1945) between South African Geologist A. L. du Toit and Indian Geologist D. N. Wadia
- Letters between Geologists A. L. du Toit and M. S. Krishnan (1946–1947) on the

Palaeoposition of Ceylon in Relation to Gondwana

Meta-analytical Study of Cardiac Drugs described by Ibn Sina (980–1037) in the Contemporary Research 279–287

- Rahman Syed Ziaur
- Jamal S. H. Zahid
- Project Report

Microscopic Imaging of Entrapped Slag in Ancient Iron Artifact (300 BCE) from the Middle Ganga Plains of India, 325–333

- Singh Vandana
- Singh Manager Rajdeo
- Ancient Indian iron

- Direct reduction process
- Entrapped slag inclusions
- Fayalite
- Forging
- Hypoeutectoid steel
- Optical microscopy
- SEM/EDS
- Titaniferous ores

Mishra Debi Prasad, 139–159

– Fractal Geometry in Water Conservation Structures: Step Wells and Tanks in India

Mohanty R. B., 349–353

- Plant Domestication in Indus Valley Civilisation
- Historical Note

Nanda Chandi Prasad, 60–71

 Political Ecology of Cholera: Orissa and Colonial Sanitary Discourse

Nikhil Rajan Sen- The Formative Years, 269-278

- Singh Rajinder
- Historical Note
- Max von Laue
- N. R. Sen
- Theory of relativity
- University of Calcutta

### Obituary

– Obituary to Dr Yukio Ôhashi, Yano Michio 94–98

## **Project Reports**

Hundred Years of Forensic Science in India (1849–1947): A Historical Perspective,

(Basu Saumitra, 83–93)

- Project on *Grahagaņitādhyāya* of Bhāskarācārya's *Siddhāntaśiromaņi* (Sriram M. S. 183–193)
- Meta-analytical Study of Cardiac Drugs described by IbnSina (980–1037) in the

Contemporary Research (Rahman Syed Ziaur, Jamal S. H. Zahid, 279–287)

- The Science and Technology of Manuscript Writing-aid and Folk Paintings in Medieval

Assam, (Dutta Robin Kumar, Goswami Barsha R., Ligira Niranjan, 368–374)

Panda T., 349–353

- Plant Domestication in Indus Valley Civilisation
- Historical Note

Parmar Samirsinh P., 139–159

– Fractal Geometry in Water Conservation Structures: Step Wells and Tanks in India

Plant Domestication in Indus Valley Civilisation, 349-353

– Mohanty R. B.

- Panda T.

- Historical Note

- Archaeo-botanical excavations

- Harappan civilization

- Mohenjo-daro

Political Ecology of Cholera: Orissa and Colonial

Sanitary Discourse, 60–71

– Nanda Chandi Prasad

- Cholera

- Contagion

– Epidemic

- Jogini

- Kalishi

 $-\ Ola\text{-}utha$ 

- Pathology

PilgrimagePublic Health

- Sanitary

Prasad Goli Penchala, 289-304

– The Epigraphic Evidences on Ayurveda and Indian Medical Heritage

Precise Determination of the Ascendant in the Lagnaprakarana – II, 1–25

– Kolachana Aditya

– Mahesh K.

– Ramasubramanian K.

- Ascendant

-  $Dṛkkṣepajy\bar{a}$ 

- Drkk  $sepako tik \bar{a}$ 

- Kālalagna

- Lagna

- Lagnaprakarana

– Mādhava

 $-\ R\bar{a}\acute{s}ik\bar{u}\dot{t}alagna$ 

- Rāśikūtaprabhā

- Udayalagna

Precise Determination of the Ascendant in the Lagnaprakarana - III, 99–112

– Kolachana Aditya

– Mahesh K.

– Ramasubramanian K.

- Ascendant

dṛkkṣepakoṭikā

 $-\ drggati$ 

-lagna

 $-\ Lagnaprakarana$ 

– Mādhava

-  $\acute{s}a\dot{n}ku$ 

Professor Manindra Chandra Chaki (1913 – 2007): A Legendary Indian Geometrician, 354–362.

– Koley Sanatan

- Historical Note

– G. Walker

- Chaki manifold

- Differential Geometry

– H. S. Ruse

- K. Yano

- L. P. Eisenhart

- M. Toomanian

- Quasi Einstein manifolds

- R. N. Sen

– T. J. Willmore

- University of Calcutta

Rahman Syed Ziaur, 279–287

– Meta-analytical Study of Cardiac Drugs described by Ibn Sina (980–1037) in the Contemporary Re-

search

- Project Report

Rajarajan R. K. K., 194–202

- Religious Art and Culture in 2019: Thousand

Faces of the Buddha – Seminar Report

Raman Anantanarayanan, 26–39, 113–124

-Marble-like chûnnam in the 18th- and 19th-

century Madras Presidency

– G.M.M.C. Diploma of the Madras Medical Col-

lege, 1847-1863

Ramasubramanian K., 1–25, 99–112

-Precise Determination of the Ascendant in the

Lagnaprakarana-II

- Precise Determination of the Ascendant in the

 $Lagnaprakara \.na-III$ 

Ram T. Saketh, 289-304

– The Epigraphic Evidences on Ayurveda and In-

dian Medical Heritage

Religious Art and Culture in 2019: Thousand Faces of the Buddha, 194-202

– Rajarajan R. K. K.

– Ling –Li

- Seminar Report

Retrograde motion as described in  $Brahmatulyaud\bar{a}haranam$  of Viśvanātha, 40–48

– Shylaja B. S.

- Shubha B. S.

-  $Brahmatulya-ud\bar{a}haranam$ 

- Retrograde motion

– Viśvanātha

Retrograde motion: The Derivation of Formula, 363–367

303 301

– Kumar Tejas

– Shubha B S

– Shylaja B S

- Correspondence

Sarkar Suvobrata, 49–59

– An Alternative History of Technology in South Asia: The Unknown  $Vi\acute{s}vakarm\bar{a}s$  of Colonial Bengal

## Seminar Report

– Religious Art and Culture in 2019: Thousand Faces of the Buddha, (Rajarajan R. K. K., ling–Li, 194–202)

Sengupta B. J., 305-317.

– Historical Perspectives of Geological Concepts from Biblical to Modern Times

Shubha B. S., 40-48, 363-367

- Retrograde motion as described in  $Brahmat-ulyaud\bar{a}haraṇam$  of Viśvanātha
- Retrograde motion: The Derivation of Formula, Correspondence

Shylaja B. S., 40–48, 363–367

- Retrograde motion as described in  ${\it Brahmat-ulyaud\bar{a}haraṇam}$  of Viśvanātha
- Retrograde motion: The Derivation of Formula, Correspondence

Singh Dhrub Kumar, 235–246

– Hindi Protagonists of Science and Swadeshi in the First Half of the Twentieth Century

Singh Manager Rajdeo, 325–333

– Microscopic Imaging of Entrapped Slag in Ancient Iron Artifact (300 BCE) from the Middle Ganga Plains of India

Singh Rajinder, 72–82, 269–278

- Sir C. V. Raman Nobel Ceremony Coverage by the European Press
- Nikhil Rajan Sen- The Formative Years
- Historical Notes

Singh Vandana, 325–333

– Microscopic Imaging of Entrapped Slag in Ancient Iron Artifact (300 BCE) from the Middle Ganga Plains of India

Sir C. V. Raman Nobel Ceremony Coverage by the European Press, 72–82

- Singh Rajinder
- Historical Note
- C. V. Raman
- European media
- Lady Raman
- Nobel Prize.

Sodhi G. S., 344–348.

-Indian Tradition of Palm Print Authentication and the Globetrotting Journey of Kohinoor Diamond.

Soni A. K., 218-234

- History of Mining in India

Srikanth N., 289-304

– The Epigraphic Evidences on Ayurveda and Indian Medical Heritage.

Sriram M. S., 183-193

- Project on  $Grahagaṇit\bar{a}dhy\bar{a}ya$  of Bhāskarācārya's  $Siddh\bar{a}ntaśiromaṇi$
- -Project Report

Sudarshan H. S., 203-217

- Akṣara the Basic Unit of Time Measure in Ancient India

The Epigraphic Evidences on Ayurveda and Indian Medical Heritage, 289–304

- Prasad Goli Penchala
- Manohar P. Murali
- Venkataratnam G.
- Ram T. Saketh
- Srikanth N.
- Dhiman K. S.
- Aggalayya
- Ashoka
- Ayurveda
- History of medicine
- Indian Medical Heritage Inscriptions
- Malkapur
- Parahita
- Phanigiri

The History and Functioning of the Forest Department in Madras Presidency during 1856–1882, 257–263

- Kamini S.
- Conservator
- Forests
- Forests acts
- Plantations
- Madras presidency
- Revenue and Expenditure
- Timber

The Science and Technology of Manuscript Writing-aid and Folk Paintings in Medieval Assam, 368–374

- Dutta Robin Kumar
- Goswami Barsha R.
- Ligira Niranjan
- Project Report

The Silent Killer: Tracing the Trajectory of Tubercular Deaths in Colonial Bengal, 125–138

- Dey Suvankar
- All India Sanitary Conference

- Bengal
- Mortality
- Phthisis
- Pulmonary disease
- Respiratory disease
- Sanitary Commissioner
- Tuberculosis
- $Yakşm\bar{a}$

The Wartime Correspondence (1939–1945) between South African Geologist A. L. du Toit and Indian Geologist D. N. Wadia, 160–172

- Master Sharad
- du Toit
- Correspondence
- Gondwana reconstruction
- Palaeoposition of Ceylon
- Strategic minerals
- Wadia
- World War II

Traditional Use of Legume Seeds for Weighing Gold in India, 173-182

- Boddupalli Raghava S.
- Historical Note
- Carob seed
- Coral seed
- Gold weighing
- Legume seeds

- Ratti
- Weight-stone

Venkataratnam G., 289-304

– The Epigraphic Evidences on Ayurveda and Indian Medical Heritage

Viswanathan Anand, 203–217

- Akṣara the Basic Unit of Time Measure in Ancient India

Wisniak Jaime, 247–256

- Frédéric Sacc (1819–1890) Contribution to Plant and Animal Physiology

Woods used in 10th Century Trans Himalayan Tabo Buddhist Monastery of India, 334–343

- Gupta Sangeeta
- Bisht Deepa
- Gupta Prachi
- gTsug-Lha-khang
- Tabo monastery
- Trans Himalaya
- Wooden architecture
- Wood identification.

Yano Michio, 94–98

– Obituary to Dr Yukio Ôhashi