

## Brief Bio of Prof.R.N.Iyengar

*Professor R. N. Iyengar B.E., M.Sc(Eng).,Ph.D., (b. 1943) is renowned for his contributions to Earthquake Engineering, Random Vibrations, Mathematical Modeling, Structural Dynamics and Nonlinear Systems. As faculty at the Indian Institute of Science from 1969 till his retirement in 2005 as KSIDC Chair Professor in Civil Engineering, Iyengar has published 200 technical papers, reports, general articles and books. He is Fellow of the **Indian National Academy of Engineering, Indian Academy of Science, National Academy of Science** and the Alexander von Humboldt Foundation, Germany. He held the Distinguished Schmidt Chair at the Florida Atlantic University, USA in 1995. He was Director of CBRI-CSIR (1994-2000); Raja Ramanna Fellow of Dept. of Atomic Energy (2005-10). After establishing the Centre for Disaster Mitigation with a unique Fire Research Lab, he is currently Distinguished Emeritus Professor and the Director of the Centre for Ancient History & Culture at the Jain University, Bangalore.*

*Brought up in a family of Sanskrit scholars Professor Iyengar received initial training in Sanskrit studies in the traditional way. This has propelled him to become an avid reader of ancient texts in the original. He has developed, combining Indic knowledge traditions with modern methods, a new line of study of ancient Indian heritage. His findings on comets, eclipses, earthquakes, ancient geography, effect of precession and the Pole Star Dhruva in Vedic literature, Concept of Probability in classical music, have attracted worldwide attention. He brought out the **Parāśaratantra**, an ancient Sanskrit treatise on astronomy and natural sciences, with text, translation and notes in 2013. Recently he has edited **Nāradaśilpam**, a medieval period text on Civil Engineering with introduction, translation and notes. He is presently critically editing **Vṛddha-gārgīya Jyotiṣa** an ancient text on astral sciences from about ten unpublished manuscripts.*

*He is recipient of Visvesvaraya award for Senior Scientists (Govt. of Karnataka, 1995); Sen Memorial Lecture award (IIT, Kharagpur 1996); Technology Day award (Govt. of India 2001);and the VASVIK award (2013) for significant contributions to Structural and Mechanical Sciences & Technology. He was honoured in 2015 with the Datta Peetha Asthana Vidwan Award, for his contributions to **Scientific Studies in Sanskrit Literature**.*

### Select Journal Publications of Prof. RN Iyengar on Indian Knowledge Systems

1. R.N. Iyengar & D. Sharma (1996) Some **Earthquakes of Kashmir** from Historical Sources, *Current Science*, **71**,4, 330-331.
2. R.N. Iyengar (1999), **Earthquakes in Ancient India**, *Current Science*, **77**, 6, 827-829.  
[www.ias.ac.in/currsci/sep25/articles32.htm](http://www.ias.ac.in/currsci/sep25/articles32.htm)
3. R.N.Iyengar, D.Sharma and J.M.Siddiqui (1999) Earthquake History of India in Medieval Times, *Ind. J. Hist. of Science*, **34** (3), 181-237.

4. R.N.Iyengar and D.Sharma (1999) Earthquakes of the Himalayan Region from Historical Sources, *J Himalayan geology*, **20**, 1, 81-85.
5. R.N.Iyengar (2003) Internal Consistency of **Eclipses and Planetary Positions in the Mahābhārata**, *Ind. J.of. Hist. Science*, **38**, 2, 77-115.
6. RNI (2003) Historicity of Celestial Observations of **Mahabharata**, *Q. J of Mythic Society*, XCIV, 1-2, 150-186.
7. RNI (2004) Description of rainfall variability in Brihat-samhita of Varaha-mihira, *Current Science*, 87, 4, 531-533. [www.ias.ac.in/currsci/aug252004/531.pdf](http://www.ias.ac.in/currsci/aug252004/531.pdf)
8. R.N.Iyengar (2004) Profile of a **Natural Disaster in** Ancient Sanskrit Literature, *Ind. J. Hist. of Science*, 39,1, 11-49.
9. RNI (2004) Extra Terrestrial Impacts, *J. of Geological Soc. of India*, 64, 6, 826-827.
10. RNI (2005) **Eclipse period number 3339 in the Rigveda**, *Ind.J. Hist. of Science*, 40, 2, June, pp.139-152.
11. RNI (2006) Some **Comet observations** of ancient India, *J.Geological Soc. Ind.* 67, March, pp289-294.
12. RNI (2006) Celestial observations **associated with Krishna-lore**, *Ind. J. Hist. of Science*, 41.1, pp1-13.
13. RNI *et al* (2006) **Vedic Iriṇa and the Raṇ-of-kutch**, *Ind. J of Archaeology, Puratattwa* vol. 38. pp 170-180.
14. RNI (2008) **Archaic Astronomy of Parāśara** and Vṛddha Garga, *Ind. J. Hist. of Science*. 43, 1, pp. 1-27.
15. RNI (2009) Monsoon **rainfall cycles as depicted in ancient Sanskrit texts**. *Current Science*, 97, 3, pp.444-447.
16. RNI (2009) Connections between **Vedāṅga Jyotiṣa and other Vedic literature**. *Ind. J. Hist. of Science*. 44, 3, pp. 357-368.
17. RNI (2010) **Comets and Meteoritic Showers in the Ṛgveda** and their significance. *Indian J. of Hist. of Science*, 45.1 pp. 1-32.
18. RNI (2011) **Dhruva the Ancient Indian Pole Star**: Fixity, Rotation and Movement. *Indian J. of Hist. of Science*, 46.1 pp.23-39.
19. RNI and V.H.S.Kumar (2012) Archaeo-astronomical significance of the **Darśa-pūrṇamāsa Vedic altar**, *Ind. J of Hist. of Science*, 47.3,pp. 513-9.

20. RNI (2014) Parāshara's six season solar zodiac and heliacal visibility of **Vedic star Agastya in 1350-1130 BC.**, *Ind. J. Hist. of Science.*, 49.3, pp.223-238.
21. RNI (2016) **Astronomy in Vedic texts**, (Book Chapter pp.107-169). *History of Indian Astronomy A Handbook*, (Ed. K.Ramsubramanian, A.Sule &M. Vahia), Publ. by IITB and TIFR, Mumbai.
22. RNI (2018) Concept of **Śruti, Svāra and Rāga of Classical Music in Sanskrit Texts**, *Ind. J. Hist. of Science*, 53.2 131-147.
23. RN Iyengar, HS Sudarshan, Anand Visvanathan (2019), **Vṛddhagārgīya Jyotiṣa-1, Tattvadīpa**, *J. of Academy of Sanskrit Research;Melkote*, 25 (1). pp.60-95.
24. RN Iyengar, HS Sudarshan, Anand Visvanathan (2019),**Nakṣatra Karmaguṇa**, (Vṛddhagārgīya Jyotiṣa -2). *Tattvadīpa, J. of Academy of Sanskrit Research;* 25 (2). pp.26-55.
25. RN Iyengar, HS Sudarshan, Anand Visvanathan (2020), **Tithi Karmaguṇa** (Vṛddhagārgīya Jyotiṣa -3). *Tattvadīpa, J. of Academy of Sanskrit Research;* 25 (4). pp.1-16..
26. RNI, HSS & AV (2020), **Akṣara** the Basic Unit of Time Measure in Ancient India. *IJHS*, 55.3, pp.203-217.
27. RNI & S.Chakravarti (2021) **Transit of Sun through the Seasonal Nakṣatra Cycle in the Vṛddha-Gārgīya Jyotiṣa**, *IJHS*, *Accepted for Publication*.

#### **Books:**

1. **R.N.Iyengar**, *Parāśaratantra, Ancient Sanskrit text on Natural Sciences with Translation and Notes*. Jain University Press, Bangalore 2013.
2. **R.N.Iyengar**, *Teachings of Sri Radhakrishna Swamiji*, SVYASA University Publication, Bangalore 2007.
3. **R.N.Iyengar**, *Radhakrishna Swamiji ondu darshana* (in Kannada), Jain University Press, Bangalore , 2015
4. **R.N.Iyengar**, K.S.Kannan, S.Y.Wakankar, *Nāradaśilpāsāstra, Sanskrit text on Architectural Civil Engineering*. Jain University Press, Bangalore, 2018.

#### **Links:**

[https://en.wikipedia.org/wiki/Rangachar\\_Narayana\\_Iyengar](https://en.wikipedia.org/wiki/Rangachar_Narayana_Iyengar)  
[https://www.youtube.com/channel/UCLZKT\\_LBu43FF0OsS66TyYw/playlists](https://www.youtube.com/channel/UCLZKT_LBu43FF0OsS66TyYw/playlists)  
[https://www.researchgate.net/profile/RN\\_Iyengar](https://www.researchgate.net/profile/RN_Iyengar)  
<https://jainuniversity.academia.edu/RNIyengar>

[https://scholar.google.co.in/citations?hl=en&user=KISAL2oAAAAJ&view\\_op=list\\_works](https://scholar.google.co.in/citations?hl=en&user=KISAL2oAAAAJ&view_op=list_works)

Invited Lectures, Conference Presentations are not listed.

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