Dr. PRASANTH NARAYANAN S. : CURRICULUM VITAE (In Brief)

Name and Address : **Dr. PRASANTH NARAYANAN S.**
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Educational qualifications

- **Ph. D.** in Environmental Science from School of Environmental Sciences, Mahatma Gandhi University, Kerala, India (2015).
- **Master of Science (M.Sc.)** in Environmental Science and Management, from School of Environmental Sciences, Mahatma Gandhi University, Kerala, India (2004).

Research Experience

- Research Experience : **21 years**.
- Research Experience after PhD : **11 years**.

Research Focus

- Taxonomy, systematics, and biogeography of the earthworms of India, with a special interest in the family Moniligastridae.

Significant achievements

- New genus described : **1**
- New species described : **22**
- New reports for India : **2** species
- New reports for Kerala State : **23** species
- Synonymization : **5** species
- Species resurrection : **1** species
- Status revision : **3** species.

Accomplishments

- Since 2010, getting trained in ***Earthworm Taxonomy*** under the supervision of **Dr. J.M. Julka**, Emeritus Scientist, Zoological Survey of India (ZSI) and **Dr. R. Paliwal**, Senior Scientist (Retd.), ZSI.
- As per Brown *et al.* (2024) **one among the 18 active earthworm taxonomists of the World** with experience in different families, and who may be consulted for earthworm identification (https://doi.org/10.1080/14888386.2024.2402761)
- An invited member of the newly formed "**Earthworm Specialist Group"** of the **IUCN Species Survival Commissions (SSC)**.

Mentorship

- Supervised 2 PG students.

Publications

- Papers published in National/International Journals : **82**
- Monograph : **2**
- Book : **1**
- Book chapters : **14**
- Published reports : **2**
- Papers presented in National/International conferences : **10+**
- Popular article : **2**
- Patent : **1**

Book

1. **Narayanan, S.P.,** Paliwal, R., Kurien, V.T., Thomas, A.P. and Julka, J.M. **(2023)**. *Earthworms (Clitellata; Moniligastrida, Crassiclitellata) of India: Distribution and Status*. Department of Printing and Publishing, Mahatma Gandhi University, Kottayam, pp 1-378.

Papers published in Journals (Last five years: 2022-2026)

1. Ahmed, S., **Narayanan, S.P.** & Banerjee, D. **(2026)** A new species of *Drawida* Michaelsen, 1900 (Clitellata: Moniligastridae) from the Western Ghats, and the rediscovery of *D. loricata* Gates, 1945 from Southern India. *Zootaxa*, 5878(2): 267–280. https://doi.org/10.11646/zootaxa.5878.2.6
2. Joy, J., **Narayanan, S.P.**, Cherian, A. & Sylas, V.P. **(2026)** Microplastic in museum-preserved earthworms reveal ecotype-specific variations. *Water, Air, & Soil Pollution*, 237: 1040–280. https://doi.org/10.1007/s11270-026-09721-9
3. **Narayanan, S.P.,** Paliwal, R., Thomas, A.P. & Julka, J.M. **(2026)** A synopsis of the earthworms (Clitellata, Megadrili) of South Asia including Myanmar. *Opuscula Zoologica Budapest*, 57(2): 3–147. https://doi.org/10.18348/opzool.2026.2.3
4. Negi, D., **Narayanan, S.P.**, Kumari, S. & Kapil, S. (2026) First report of the earthworms *Eudrilus eugeniae* (Kinberg, 1867) and *Perionyx ceylanensis* Michaelsen, 1903 from the Himachal Pradesh State in the Western Himalayan region of India. *Uttar Pradesh Journal of Zoology*, 47(13): 174–182. https://doi.org/10.56557/upjoz/2026/v47i135738
5. Ardra, R.M., **Narayanan, S.P.**, Kumar, P.S., Sudhikumar, A.V. & Thomas, A.P. **(2026)** A new small *Drawida* Michaelsen, 1900 (Clitellata: Moniligastridae) species from the Western Ghats of Kerala State, India. ***Zootaxa***, 5763(2): 268–280. https://doi.org/10.11646/zootaxa.5763.2.6
6. Fahis, K.T., **Narayanan, S.P.**, Paliwal, R., Das, K.S.A., Sylas, V.P., Babu, N., Thomas, A.P. & Julka, J.M. **(2026)** Unearthing hidden diversity: two new moniligastrid earthworms (Clitellata, Moniligastridae) from Silent Valley National Park of the Western Ghats biodiversity hotspot, Kerala, India. ***Zootaxa***, 5760(2): 189–208. https://doi.org/10.11646/zootaxa.5760.2.2
7. **Narayanan, S.P.**, Negi, D., Kumari, S., Verma, A.K., Paliwal, R., Thomas, A.P., Julka, J.M. & Kapil, S. **(2025)** Recollection of *Amynthas pallidus* (Michaelsen, 1892) (Clitellata: Megascolecidae) from India after a century. ***Uttar Pradesh Journal of Zoology***, 46(21): 224–237. https://doi.org/10.56557/upjoz.2025/v46i215342
8. **Narayanan, S.P.**, Paliwal, R., Sylas, V.P., Thomas, A.P. & Julka, J.M. **(2025)** *Drawida karatala*, a new species of earthworm (Clitellata, Moniligastridae) from the Western Ghats of India. ***Opuscula Zoologica Budapest***, 56(3): 97–109. https://doi.org/10.18348/opzool.2025.3.97

9. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2025)** Status revision of two endemic *Megascolex* Templeton, 1844 subspecies from the Western Ghats of Kerala State, India (Clitellata, Megascolecidae). ***Opuscula Zoologica Budapest***, 56(3): 1–12. https://doi.org/10.18348/opzool.2025.3.1
10. **Narayanan, S.P.**, Paliwal, R., Kurien, V.T., Nath, S., Dey, A., Nandy, S., Kar, P., Goldar, S., Thomas, A.P. & Julka, J.M. **(2025)** Description of two new *Kanchuria* Julka, 1988 (Clitellata: Megascolecidae) species of earthworms from Tripura State, North-eastern India. ***Zootaxa***, 5647(2): 101–116. https://doi.org/10.11646/zootaxa.5647.2.1
11. Kuttappan, C.P., **Narayanan, S.P.**, Pillai, S.R.N., Sivalingam, R., Kannegowda, N., Kochu, J.K., Sadanandan, G.O. & Shappumkunnath, M.K. **(2025)** A biomarker assessment of pesticide toxicity in endemic, native peregrine, and invasive earthworm species from the Muthalamada mango plantations, Kerala, India. ***Natural Built Social Environment Health***, 1(3): 7–27. https://doi.org/10.63095/NBSEH.25.850535
12. Narayanan, S.P., Paliwal, R., Thomas, A.P. & Julka, J.M. **(2025)** Current status of earthworm fauna (Clitellata: Megadrili) of Parambikulam Tiger Reserve, within the Western Ghats of Kerala, India. ***Journal of the Bombay Natural History Society***, 122(1): 15–27. https://doi.org/10.17087/jbnhs/2025/v122/165060
13. **Narayanan, S.P.**, Ahmed, S. & Thomas, A.P. **(2025)** Description of a new species of the earthworm genus *Moniligaster* Perrier, 1872 (Clitellata, Moniligastridae) from the Nilgiri Biosphere Reserve of Tamil Nadu State, India. ***Zootaxa***, 5589(1): 142–154. https://doi.org/10.11646/zootaxa.5589.1.12
14. **Narayanan, S.P.**, Kumari, S., Kurien, V.T., Thomas, A.P., Paliwal, R. & Julka, J.M. **(2025)** On the biogeography of earthworm of the primitive genus *Drawida* Michaelsen, 1900 (Clitellata: Moniligastridae) in the Indian subcontinent. ***Zootaxa***, 5589(1): 127–141. https://doi.org/10.11646/zootaxa.5589.1.11
15. **Narayanan, S.P.**, Thomas, A.P. & Julka, J.M. **(2025)** A new earthworm genus with two new species (Clitellata, Megascolecidae) from the Western Ghats mountain ranges of south-western peninsular India. ***Zootaxa***, 5575(4): 520–534. https://doi.org/10.11646/zootaxa.5575.4.2
16. **Narayanan, S.P.**, Naik, A., Mahata, A., Palita, S.K., Thomas, A.P. & Paliwal, R. **(2024)** *Megascolex* Templeton, 1844 (Clitellata, Megascolecidae): description of a new species from the northern Eastern Ghats, India with taxonomic key to the Indian species. ***Opuscula Zoologica Budapest***, 55: 109–121. https://doi.org/10.18348/opzool.2024.6.109
17. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2024)** Comment on Lone et al. Phylogenetic Relationships in Earthworm *Megascolex* Species (Oligochaeta: Megascolecidae) with Addition of Two New Species. Diversity 2022, 14, 1006. ***Diversity***, 16, 732. https://doi.org/10.3390/d16120732
18. **Narayanan, S.P.**., Jose, D., Bijoy, C., Kurien, V.T. & Thomas, A.P. **(2024)** On three new species of the earthworm genus *Drawida* Michaelsen, 1900 (Clitellata: Moniligastridae) from south-western India. ***Zootaxa***, 5541(4): 563–581. https://doi.org/10.11646/zootaxa.5541.4.8
19. **Narayanan, S.P.**, Verma, H., Verma, A.K. & Thomas, A.P. **(2024)** On the alien earthworm (Annelida: Clitellata) fauna of the Western Ghats and west coast plains of India. ***Holistic Thought***, 22(1): 50–63.
20. Anuja, R., **Narayanan, S.P.**, Padmakumar, B., Gopika, N.V., Kumari, S., Mathew, L., Thomas, A.P. (**2024**) Identification of earthworms (Clitellata, Oligochaeta) from Kottayam district in Southwestern India: an integrated traditional and barcoding

approach. ***Animal Biodiversity and Conservation***, 47(2): 135–151. https://doi.org/10.32800/abc.2024.47.0135

21. **Narayanan, S.P.**, Verma, H., Verma, A.K. & Thomas, A.P. **(2024)** *Amynthas aspergillum* (Perrier, 1872) (Clitellata, Megascolecidae): A new addition to the South Asian earthworm fauna. ***Opuscula Zoologica Budapest***, 55: 97–104. https://doi.org/10.18348/opzool.2024.4.97
22. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2024)** Earthworm mass migration and associated mortality in Kerala part of the Western Ghats biodiversity hotspot. ***Records of the Zoological Survey of India***, 124(iS, Special Issue 2024): 373–382. https://doi.org/10.26515/rzsi/v124/i1S/2024/172747
23. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2024)** Shape of the spermathecal atrial glands: a novel taxonomic character to distinguish earthworm species of the genus *Moniligaster* (Perrier, 1872) (Clitellata, Moniligastridae). ***Records of the Zoological Survey of India***, 124(iS, Special Issue 2024): 209–218. https://doi.org/10.26515/rzsi/v124/i1S/2024/172733
24. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2024)** Three new additions to the earthworm (Clitellata: Megadrili) fauna of Kerala state from the Western Ghats biodiversity hotspot, south-western India. ***Opuscula Zoologica Budapest***, 55: 47–57. https://doi.org/10.18348/opzool.2024.2.47
25. Naik, A., **Narayanan, S.P.**, Palita, S.K., Thomas, A.P. & Paliwal, R. **(2024)** Two new species of the genus *Megascolex* Templeton, 1844 (Clitellata, Megascolecidae) from the Eastern Ghats of Odisha state, India. ***Zootaxa***, 5424(5): 569–580. https://doi.org/10.11646/zootaxa.5424.5.5
26. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2024)** Catalogue of the moniligastrid earthworms (Clitellata, Moniligastrida, Moniligastridae) of the world. ***Zootaxa***, 5416(1): 001–066. https://doi.org/10.11646/zootaxa.5416.1.1
27. **Narayanan, S.P.**, Harit, A.K., Singh, M., Bhattacharya, S., Dutta, A. & Thomas, A.P. **(2023)** A contribution to the earthworm (Annelida, Clitellata, Megadrili) fauna of the central Indian state Chhattisgarh, India. ***Opuscula Zoologica Budapest***, 54: 185–203. https://doi.org/10.18348/opzool.2023.8.185
28. **Narayanan, S.P.**, Paliwal, R., Thomas, A.P. & Julka, J.M. **(2023)** Rediscovery of the earthworm *Megascolex hendersoni* Michaelsen, 1907 (Clitellata: Megascolecidae) from the Western Ghats biodiversity hotspot of India. ***Opuscula Zoologica Budapest***, 54: 177–184. https://doi.org/10.18348/opzool.2023.7.177
29. **Narayanan, S.P.,** Paliwal, R., Ahmed, S., Thomas, A.P. & Julka, J.M. **(2023)** Redescription of the earthworm *Moniligaster gravelyi* Stephenson, 1915 (Clitellata, Moniligastridae) based on recent collections from Kerala state, India. ***Zootaxa***, 5383 (3): 365–374. https://doi.org/10.11646/zootaxa.5383.3.5
30. **Narayanan, S.P.**, Kurien, V.T., Anuja, R., Hasyagar, V., Thomas, A.P., Paliwal, R. and Julka, J.M. **(2023)** Earthworm (Clitellata, Megadrili) fauna of Kuttanad wetland, southern part of Vembanad-Kol Ramsar site, India. ***Opuscula Zoologica Budapest***, 54: 3-21. https://doi.org/10.18348/opzool.2023.1.3
31. Anuja, R., **Narayanan, S.P.**, Sathrumithra, S., Thomas, A.P. and Julka, J.M. **(2023)** Diversity of earthworms in different land use systems of Kottayam district, Kerala, India. ***Proceedings of the National Academy of Sciences, India, Section B Biological Sciences***, 93(1): 27-44. https://doi.org/10.1007/s40011-022-01397-5

32. Hasyagar, R., **Narayanan, S.P.** and Sreepada, K.S. (**2022)** Range extension of earthworm *Drawida impertusa* Stephenson, 1930 (Clitellata: Moniligastridae) in

Karnataka state, India. ***Journal of Threatened Taxa***, 14(6): 21307-21310. https://doi.org/10.11609/jott.7630.14.6.21307-21310

33. **Narayanan, S.P.,** Anuja, R., Thomas, A.P. and Paliwal, R. **(2022)** A new species of *Moniligaster* Perrier, 1872 (Annelida, Moniligastridae) from India, with status revision of *M. deshayesi minor* Michaelsen, 1913. ***Opuscula Zoologica Budapest***, 53(1): 31-50. http://doi.org/10.18348/opzool.2022.1.31
34. Praveen, J., Nameer, P.O., Jha, A., Aravind, A., Dilip, K.G., Karuthedathu, D., Tom, G., Mavelikara, H., Mannar, H., Palot, J., Johnson, J., Jishnu, R., Rodrigues, K.M., Mujeeb, P.M., Namassivayan, L., Payyeri, N., Nesrudheen, P.P., **Narayanan, S.P.,** …… **(2022)** Kerala Bird Atlas 2015–20: features, outcomes and implications of a citizen-science project. ***Current Science***, 122(3): 198–309. doi: 10.18520/cs/v122/i3/298-309

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