

SRINIVASAN PANDIARAJAN

THE AMERICAN COLLEGE,
PG & RESEARCH DEPARTMENT OF ZOOLOGY,
RESEARCH SCHOLAR,
MADURAI,
TAMIL NADU,
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Research Gate Profile:

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Skills

- Collaboration & Teamwork
- Creative Problem Solving
- Specimen tracking
- Taxonomic research
- Scientific Writing
- Student research guidance
- Interdisciplinary Coordination
- Technology-based curriculum
- Experimental Work Plans
- Online learning tools
- Statistical expertise
- Online learning tools

Field of Interests

Research interests on Mayfly taxonomy and identification, DNA barcoding, Phylogeny, Biodiversity Environmental science, Stream ecology, Conservation, Species inventories and Stage associations

Educational qualification



Bachelor of Science in Zoology

Institution: The American College, Madurai, Tamil Nadu
2013-2016

- Member of National Service Scheme (NSS)
- Member of Green Club
- Awarded "Nature Science award for Major and Laboratory work in 2015-2016"
- Awarded "Rajah Sir Annamalai Chettiyar award for best student in Science in 2015-2016"
- Awarded "C.P. Gnanamuthu award for best student in Zoology in 2015-2016"



Master of Science in Zoology

Institution: The American College, Madurai, Tamil Nadu
2016-2018

- Awarded "J.C.B.A award for Evolution in 2016-2017"
- Awarded "J.C.B.A award for Genetics in 2016-2017"
- Awarded "Dr. A.K.R. Thilagar award for Immunology in 2016-2017"



Doctor of Philosophy in Zoology

Institution: The American College, Madurai, Tamil Nadu
2018-Present

Certification

Tamil Nadu State Eligibility Test (TNSET)

Publications

- **Srinivasan, P.**, Sivaruban, T., Isack R. & Barathy, S. (2019) Bio-monitoring and Detection of Water Quality using Ephemeroptera, Plecoptera and Trichoptera (EPT) Complex in Karanthamalai Stream of Eastern Ghats. *Indian Journal of Ecology*, 46 (4), 818–822.
- Barathy, S., Sivaruban, T., **Srinivasan, P.**, Bernath Rosi, M. & Isack, R. (2019) Evaluation of heavy metal toxicity in water using the fishes of Vaigai River, Tamil Nadu, India. *International Research Journal of Biological Sciences*, 8 (11), 1–8.
- Barathy, S., Sivaruban, T. & **Srinivasan, P.** (2020) Distribution of mayflies in thirty streams of Western Ghats, Southern India. *Journal of Insect Biodiversity*, 18 (2), 50–60.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2020) Temporal variation of mayfly community (Ephemeroptera) in response to ecological attributes in Gadana River. *Entomon*, 45 (2), 115–122.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2020) Diversity and distribution of Odonates in Alagar Hills of Southern India. *Indian Journal of Ecology*, 47 (3), 869–871.
- Barathy, S., Vimali, M., Sivaruban, T. & **Srinivasan, P.** (2020) Leaf litter degradation by microbes and macroinvertebrates in mid reaches stream of Eastern Ghats. *Indian Journal of Ecology*, 47 (3), 881–883.
- Sivaruban, T., Barathy, S., **Srinivasan, P.**, Isack, R. & Rosi, M.B. (2020) Impact of Ecological attributes and Feeding categorization of EPT insects in Kiliyur falls of Eastern Ghats. *Entomon*, 45 (3), 171–180.
- Barathy, S., Sivaruban, T., Arunachalam, M. & **Srinivasan, P.** (2020) Community structure of mayflies (Insecta: Ephemeroptera) in tropical streams of Western Ghats of Southern India. *Aquatic Research*, 4 (1), 21–37.
- Sivaruban, T., Barathy, S., **Srinivasan, P.** & Isack, R. (2020) Feeding Patterns and Strategies of Ephemeroptera, Plecoptera and Trichoptera in Relation to Seasonality, Landscape Elements and Mesohabitats. 16 (4), 558–570.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S., Rosi, M.B. & Isack, R. (2021) A new species of *Sparsorythus* Sroka & Soldán, 2008 (Ephemeroptera: Tricorythidae) from Eastern Ghats of Southern India. *Zootaxa*, 4915 (2), 237–245.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S., Malzacher, P. & Isack R. (2021) A new charismatic *Caenis* Stephens, 1835 (Ephemeroptera: Caenidae) from Southern India. *Zootaxa*, 4926 (1), 105–116.
- Barathy, S., Sivaruban, T. & **Srinivasan, P.** (2021) Taxonomic Keys of Mayflies in the Palni and Cardamom Hills of Western Ghats, Southern India. *Recent Research Advances in Biology*, 5, 128–154.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack R. (2021) New record of *Caenis nigropuctatula* Malzacher, 2015 (Ephemeroptera: Caenidae) from Southern India. *Aquatic research*, 4 (3), 299–303.
- **Srinivasan P.**, Sivaruban T., Barathy S. & Isack R. (2021) A new species of *Dudgeodes* Sartori, 2008 (Ephemeroptera: Teloganodidae) from Megamalai hills of southern Western Ghats, India. *Zootaxa*, 4990 (3), 571–576.
- Sivaruban, T., Barathy, S. & **Srinivasan, P.** (2021) Diversity and Distribution of Trichoptera in Three Streams of Eastern Ghats, India. *Indian Journal of Ecology*, 48 (3), 772–775.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack, R. (2021) A new species of *Sparsorythus* Sroka & Soldán, 2008 (Ephemeroptera: Tricorythidae) from Tamil Nadu, India. *Zootaxa*, 5061, 185–191.
- Barathy, S., Sivaruban, T., **Srinivasan, P.**, Isack, R. & Bernath Rosi, M. (2021) Diversity and community structure of Ephemeroptera in freshwater stream of Megamalai hills, Tamil Nadu, India. *Entomon*, 46 (4), 279–284.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2022) A new species of *Nigrobaetis* Novikova & Kluge, 1987 (Ephemeroptera, Baetidae) from Tamil nadu, India. *Zootaxa*, 5091 (1), 182–190.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S., Isack R. & Jacobus, L.M. (2022) A new species of *Clypeocaenis* Soldán 1978 (Ephemeroptera: Caenidae) from Tamil Nadu, India. *Zootaxa*, 5091 (3), 467–476.
- Sivaruban, T., Barathy, S., Venkataraman, K., Arunachalam, M. & **Srinivasan, P.** (2022) Diversity of the EPT complex (Ephemeroptera, Plecoptera and Trichoptera) in the Western and Eastern Ghats (South India) caused by the variations of landscape elements and mesohabitats. *Ege Journal of Fisheries and Aquatic Sciences*, 39(1), 24–31.
- **Srinivasan, P.** & Isack R. (2022) A new species of *Megaglana* Peters & Edmunds, 1970 (Ephemeroptera: Leptophlebiidae) from Tamil Nadu, India. *Zootaxa*, 5138 (1), 83–88.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2022) A new species and record of *Labiobaetis* Novikova and Kluge, 1987 (Ephemeroptera: Baetidae) from India. *Aquatic Insects*.

- Martynov, A.V., Sivaruban, T., Palatov, D.M., **Srinivasan, P.**, Barathy, S., Isack, R. & Sartori, M. (2022) Contribution to the knowledge of Teloganodidae (Ephemeroptera, Ephemerelloidea) of India. *ZooKeys*, 1113, 167–197.
- Isack R., **Srinivasan, P.**, Sivaruban, T. & Barathy, S. (2022) A new species of *Thraulius* Eaton, 1881 (Ephemeroptera: Leptophlebiidae) from Western Ghats, South India. *Aquatic Insects*.
- Kluge, N., **Srinivasan, P.**, Vasanth, M., Sivaruban, T., Barathy, S. & Isack R. (2022) Review of the subgenus *Euthraulius* (Ephemeroptera, Leptophlebiidae, genus *Choroterpes*) from the Western Ghats (India). *Zootaxa*, 5181 (1), 1–85.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S., Isack, R. & Kluge, N.J. (2022) First report of *Cheleocloeon* Wuillot & Gillies 1993 (Ephemeroptera: Baetidae) from the Oriental Region. *Zootaxa*, 5209 (3), 339–352.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack, R. (2022) The unexpected discovery of the Afrotropical genus *Tricorythus* Eaton, 1868 (Ephemeroptera: Tricorythidae) from the Oriental region with description of a new species. *Zootaxa*, 5222 (4), 343–359.
- Rosi, M.B., Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2022) Diversity and community structure of Ephemeroptera, Plecoptera and Trichoptera in Kolli hills of the Eastern Ghats, India. *Entomon*, 47 (4), 457–462.
- **Srinivasan, P.**, Sohil, A., Sivaruban, T., Barathy, S. & Sharma, N. (2023) First record of the nominotypical subgenus *Acentrella* Bengtsson, 1912 (Ephemeroptera: Baetidae) from India with description of a new species. *Aquatic Insects*.
- Kluge, N., **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack R. (2023) Indian species of *Teloganodes* Eaton 1882 (including subgenera *Dudgeodes* Sartori 2008 and *Derlethina* Sartori 2008) (Ephemeroptera, Teloganodidae). *Zootaxa*, 5244 (6), 553–587.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack, R. (2023) Contribution to the knowledge of family Caenidae (Insecta: Ephemeroptera) from Madurai District, Tamil Nadu. *Zootaxa*, 5258 (1), 39–75.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack, R. (2023) A new species of *Caenis* Stephens, 1835 and description of male subimaginal characters of *Caenis americanii* Srinivasan et al., 2021 (Ephemeroptera: Caenidae) from the Western Ghats, South India. *Aquatic Insects*.
- Kluge, N., Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack R. (2023) Diagnosis, variability, distribution and systematic position of *Labiobaetis pulchellus* (Müller-Liebenau & Hubbard 1985) (Ephemeroptera, Baetidae, Baetis s. l.). *Zootaxa*, 5264 (1), 94–108.
- Kluge, N., **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack R. (2023) Contribution to knowledge of the subgenus *Tenuibaetis* Kang & Yang 1994 (Ephemeroptera, Baetidae, Baetis s. l.). *Zootaxa*, 5277 (2), 201–258.
- Kluge, N., Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack R. (2023) Redescription of the subgenus *Rhithrogeniella* Ulmer 1939 (Ephemeroptera, Heptageniidae, genus *Ecdyonurus*) based on reared specimens from India and Thailand. *Zootaxa*, 5319 (4), 501–523.
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2023) *Baetis venkataramani* sp. nov., a new species of the genus *Baetis* Leach, 1815 (Ephemeroptera: Baetidae) from Tamil Nadu, India. *Zoosymposia*, 24, 149–154.
- **Srinivasan, P.**, Sivaruban, T., Barathy, S. & Isack, R. (2023) First report of gynandromorph mayfly, *Centroptella ghatensis* Kluge, 2021, from India. *Aquatic Insects*.

Articles presented in Conference/ Symposium

- **Srinivasan, P.**, Sivaruban, T. & Isack, R. (2022) A list of type specimens and new records of Ephemeroptera Hyatt & Arms, 1890 (Class: Insecta), deposited at the American College (AMC), Madurai. Interantional Conference on 'Unifying Biology Through Diversity' (ICUBD-2022) organized by the Department of Botany, The American College, Madurai, Tamil Nadu, on 14 and 15 October, 2022
- Sivaruban, T., **Srinivasan, P.**, Barathy, S. & Isack, R. (2022) A new *Baetis* (Ephemeroptera: Baetidae) from Tamil Nadu, India. XVIth International Conference on Ephemeroptera and XXth International symposium on Plecoptera, A Virtual Conference Hosted by the University of Illinois Urbana/Champaign, USA, on 26–29 July, 2022

Other activities

- Actively participated in the workshop on “Recent Trends in Biological Sciences” held in The American College, Madurai on 21 and 22 January, 2016.
- Attended an International Conference on “New Horizons, Emerging Challenges and Recent Paradigms in Food Mediated Immunity and their Role in Human Health and Longevity” organized by Department of Zoology and Department of Immunology and Microbiology, The American College, Madurai on 1 September, 2016.
- Actively participated in the Conference on “Approaches to understand modern biology through research” held at Dr.G. Venkataswamy Eye Research Institute, Aravind Medical Research Foundation, Madurai on 7 October, 2016.
- Actively participated in the National Seminar on “Recent Trends in Ecotoxical Research” conducted by the Department of Zoology, Directorate of Distance Education, Madurai Kamaraj University, Madurai on 9 August, 2017.
- Attended the Bee Keeping Training conducted by the State bee keeping extension centre, KVIC, Kuzhiturai at The American College on 23 and 24 August, 2017.
- Actively participated in the National Conference on “Impacts of Pollution on Health and Restoration of Quality Environment through biotechnology applications organized by Department of Zoology and Department of Immunology and Microbiology, The American College, Madurai on 2 and 3 February, 2018.
- Attended a workshop on “Recent Trends in Modern Biology” held in The American College, Madurai on 23-25 January, 2018.
- Attended an International Seminar on “Emerging Trends in Biological Research” organized by Department of Zoology, Fatima College, Madurai on 26 February, 2019.
- Actively participated in the workshop on “Hands on Training cum Workshop on Fundamentals of Bioinformatics for Life Science Students” organized by PG and Research Department of Zoology, The American College, Madurai on 4 April, 2019.
- Attended a workshop on “Awareness on Intellectual Property Rights” organized by the Research Advisory committee and Intellectual Property Rights cell, Fatima College, Madurai on 26 July, 2019.
- Attended a lecture on “Insects and languages: Implications for Food and Nutritional Security” organized by Department of Agricultural Entomology, Agricultural College, Madurai on 24 January, 2020.
- Actively participated in the National Conference on “Recent Trends in Biological Sciences (RTBS-2020)” organized by PG & Research Department of Zoology, The American College, Madurai in association with Indian Science Congress Association on 3 February, 2020.
- Attended a National Seminar on “Avenues of Research in Biology” organized by Department of Zoology, Fatima College, Madurai on 12 February, 2020.
- Actively participated in the UGC sponsored National Seminar on "New Horizons in Animal Science" organized by Department of Zoology, Sri Meenakshi Government Arts College For Women, Madurai on 25 February, 2020.
- Actively participated in the National Conference on “Emerging Trends in Entomology (ETIE-2019)” organized by PG & Research Department of Zoology, The American College, Madurai on 7 and 8 March, 2020.
- Attended an online National level workshop on “DNA Barcoding” organized by Department of Biotechnology, Islamiah College, Vaniyambadi on 22-24 May, 2020.
- Manuscript referee for the peer reviewed journals Checklist, Biodiversitas Journal of Biological Diversity, Uttar Pradesh Journal Of Zoology and Current Journal of Applied Science and Technology.

Declaration

I hereby declare that the details stated above are true and correct to the best of my knowledge

P. Srinivasan