

STAFF PROFILE

- 1) Name: **Dr. N.Vasudevan**
2) Designation: Head and Associate Professor
3) Department: Botany
4) Qualifications: .

Academic: M.Sc., M.Phil., B.Ed., Ph.D

Additional:

- 5) Experience (in years): Teaching: 27 Research: 15
6) Area of Specialization: Environmental Biotechnology and Biodiversity Conservation

7) Contact: E-mail: snehadevan22@gmail.com Mobile Number: 9443927470

8) Grants Received (Conference/Workshop/Seminar/any other):

| Event Title | Agency | Fund Received | Date |
|-------------|--------|---------------|------|
| Nil | | | |

9) Project Completed:

| Project Title | Agency | Fund Received | Duration |
|---------------|--------|---------------|----------|
| Nil | | | |

10) Project ongoing :

| Project Title | Agency | Fund Received | Duration |
|---------------|--------|---------------|----------|
| Nil | | | |

11) Research Guidance:

| Programme | No. of Scholars | |
|-----------|-----------------|----------|
| | Completed | Pursuing |
| Ph. D. | 06 | |
| M. Phil. | 08 | |

12) Research Publications:

| | International | National |
|------------------------------|---------------|----------|
| Total Number of Publications | 10 | 16 |



List of International Publications:

1. Published a paper on “Biotechnological process for the treatment of Fleshing from Tannery industries for Methane generation”. In: **Current Science** Vol.93, No.11, 10 December 2007 **(ICV value of 5.08)**
2. Published a paper on “Recycling of Biological tannery sludge through biomethanation”. In: **Pollution Research (International)** Vol.27 (1): 161-163 (2008).
3. Published a paper on “Bioconversion of tannery solid waste into energy”. In: **International Journal of Integrated Energy Systems**. Vol.1 No.2 July-December, 2009
4. Kottaimuthu and Vasudevan published a paper on “New plant records for Tamil Nadu State, India”In: **Elixir Biodiversity (International Journal)**(2012)10459-10461. **(ICV Value of 5.79)**
5. Kottaimuthu and Vasudevan published a paper on “Identity and distribution *Croton hirtus* L’ Herit (Euphorbiaceae) – A fast naturalizing invasive species in Tamil Nadu” In: **Elixir Biodiversity (International Journal)** 50 (2012)10462- 10464. **(ICV Value of 5.79)**
6. R.kottaimuthu and N.Vasudevan published a paper on “Additions to the legumes of Sirumalai hills, Tamilnadu” in **Scientia Acta Xaveriana (An International Science Journal)** ISSN 0976-1152 Special issue pp.S167-S17113-14th Dec. 2012.
7. R. kottaimuthu and N.Vasudevan published a paper on “Rediscovery of *Dalbergia coromandeliana* Prain from Dindigul Hills, Tamil Nadu, India” in **Indian Journal of Applied Research (Referred International Journal (ISSN- 2249-555X), p.42, Vol.4, Issue 7, July 2014. Impact factor: 2.1652**
8. Kottaimuthu, R. and N.Vasudevan published a paper on “Range extension of *Bonamia evolvuloides* (Choisy) Raiz. in Tamil Nadu in **PARIPEX- Indian Journal of Research (Referred International Journal (ISSN-2250-1991) p.19-20, Vol.3, Issue 7, July 2014. Impact factor: 1.6714**
9. Ramalingam Kottaimuthu and **Natarajan Vasudevan** published a paper “*Indigofera schirei*, a new name for *Indigofera torulosa* Hook. & Arn. (Leguminosae)**TELOPEA** 18:185-186 (ISSN-0312-9764) **(Impact factor 0.14)**

10. Padmapriya,R., & **N.Vasudevan**, “Isolation and Molecular characterization of proteolytic and lipolytic bacterial isolates from the market vegetable waste”. *International Journal of Science Inventions Today, IJSIT (online)*. ISSN 2319-5436.Vol.7 (1) 40-53, January-February **2018**

List of National Publications:

1. R.kottaimuthu and N.Vasudevan published a paper “On the occurrence of *Ipomoea pileata* (Convolvulaceae) in Eastern Ghats, India” in **J. Biosci. Res., ISSN 0976-2272, 2013**. Vol.4 (1): 12-14.
2. R.kottaimuthu and N.Vasudevan published a paper “On the occurrence of *Crotalaria filipes* Benth. (Fabaceae) in Tamilnadu” in **J. Biosci. Res., ISSN 0976-2272, 2013**. Vol. 4(1): 01-03
3. R.kottaimuthu and N.Vasudevan published a paper on “Rediscovery of *Crotalaria globosa* Wight (Fabaceae) from Dindigul Hills, Tamilnadu, India” in **Journal of Basic and applied biology (ISSN 0973-8207)**, Vol.7, No.1, 2013, pp 32-35
4. Kottaimuthu, R. and N.Vasudevan 2014. The genus *Indigofera* L. (Fabaceae) in Dindigul District, Tamil Nadu, India. *Golden Research Thoughts* 4(2): 1-5. (ISSN 2231-5063).
5. Kottaimuthu, R. and N.Vasudevan 2014. A vulnerable medicinal species pentandra (Buch.-Ham.) Oken (Achariaceae): A new record for Eastern Ghats, India. *J. Econ. Taxon. Bot.* 38(3-4): 392-394. (ISSN 2050-9768)
6. Kottaimuthu, R. and **N. Vasudevan** 2015. *Crotalaria globosa* Wight (Fabaceae): An overlooked endemic legume of India. *Tabrobanica* 7(2): 107-110. (ISSN 1800-427X).
7. Kottaimuthu, R., **N. Vasudevan** and A. Saravanan 2015. On the occurrence of *Memecylon capitellatum* L. (Memecylaceae) in India. *Tabrobanica* 7(2): 114-117
8. Ramalingam Kottaimuthu and Natarajan Vasudevan published a paper on “ *Rhynchosia ganesanii*, a new name for *Rhynchosia fischeri* P. Satyanar. & Thoth. (Leguminosae:

Papilionoideae), from India” in **PHYTOTAXA (ISSN-1179-3155) 201(1) 109-110 , 25th Feburary, 2015.(Impact factor 1.797)**

9. Anthonysamy,M., **N. Vasudevan 2017.** Biochemical Analysis of Organic and Conventional Coffee Seeds (*Coffea arabica* L.): A comparison. *International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)* ISSN (Online) : 2456-5717 Vol. 3, Special Issue 28, February 2017. **Impact Factor: 5.023; Index Copernicus value: 65.2; Science Central Score: 22.06**
10. Ramesh, V., **Vasudevan, N.**, Suresh, K. and Irudayaraj, V. (2020). Homologous sporangia performing reproductive and protective function in the fern *Asplenium phyllitidis* D.Don (Aspleniaceae: Pteridophyta) - An evidence for Autapomorphy in ferns. *Indian Fern Journal.* 37:65-73.
11. Ramesh, V., **Vasudevan, N.**, Suresh, K., Amirtham, A. and Irudayaraj, V. (2020). Phylogeographical analysis on Lindsaeoid ferns of India. *Indian Fern Journal.* 37:74,82
12. Kottaimuthu, R., **N. Vasudevan** and A. Saravanan 2015. *Indigofera zollingeriana* Miq. (Fabaceae: Indigoferae), a new record for Tamil Nadu, India. *J. Bio Sci Res.* 5(1): 128-131.
13. Kottaimuthu, R. and **N. Vasudevan** *Astragalus podlechii*, a new name for *Astragalus insularis* Maassoumi & Podlech (Fabaceae). [Feddes Repertorium-Editing] (ISSN 1522-239X)
14. Kottaimuthu, R., **N. Vasudevan** & A. Saravanan **2015** *Crotalaria trichotoma*: A new record for Tamil Nadu. (Science Research Reporter)
15. Kottaimuthu, R., G. Gnanasekaran & **N. Vasudevan, 2016.** *Calopogonium* and *Centrosema*: Two New Generic Records for Andhra Pradesh, India. *Indian Journal of Forestry* 39 (1) 89-90
16. Kottaimuthu, R., **N. Vasudevan 2016** *Polygala buxiformis*: New distributional record for Tamil Nadu, India. *Indian Forester*, 143 (9): 913 (Research Notes) ISSN No. 0019- 4816

13) **Chapters in Books:** Nill

14) Other Publications (Proceedings):

1. Published a paper on “Utilization of Tannery solid wastes for Methane generation”. In: **Proceedings of National Conference** on Environmental Pollution Management and Sustainable Development held on 14th & 15th Dec. 2006. Organized by Department of Biology, Gandhigram Rural University.
2. Published a paper on “An eco-friendly approach to the liquefaction of Tannery fleshing for methane generation and COD reduction”. In: **Proceedings of National Seminar** on Emerging trends in Environment and Development with a focal theme on Climate Change and Water Resources(KUNSED, 2009).
3. Jeyasinga and N.Vasudevan published a paper on “Vermicomposting of kitchen waste by *Eisenia fetida* in **multidisciplinary research journal of VVVcollege (ISSN 2347-3967)**, Vol.1, No.1, Oct.2013.

15) Books Published:

1. Kottaimuthu and **Vasudevan** published a book entitled as “**Endemic and Red- listed Medicinal Plants used by the Valaiyars of Karandamalai, Southern Eastern Ghats, Tamil Nadu, India**”(Natural Science) in **GRIN Verlag publication, Germany (2014)**

16) Presentation in Seminar / Conference:

International:

1. **ORAL** Presentation on **International Conference** on” Biotechnology Promises and Realities” organized by Department of Plant Biology and Plant Biotechnology, P.S.G.R. Krishnammal College for Women, Coimbatore, Tamil Nadu.
2. Jeyasinga and **Vasudevan** presented a paper (**Oral**) in **International Conference** on Climate Change, Forest Resource and Environment (ICCFRE-2011) Organized by Dept. of Environmental Sciences, Kariavattom, Thiruvananthapuram and National Environmentalists Association, Ranchi (09-11 December 2011).
3. M. Anthony Samy and **N. Vasudevan** presented a paper (**Oral**) in **International Conference** on Biochemical Analysis of Organic and Conventional Coffee Seeds (*Coffea arabica* L.): A comparison. Organized by (**Vivekananda Engineerin College, Tiruchengodu, 2016.**
4. M. Anthony Samy and **N. Vasudevan** presented a paper (**Oral**) in **International**

Conference on Biochemical Analysis of Organic and Conventional Coffee Seeds
(*Coffea arabica* L.): A comparison. (**Bangkok, Thailand**) **2017.**

National:

1. **National Symposium** on Relevance of Plant Biochemistry and Biotechnology-Modern Trends Organized by Indian Society for Plant Biochemistry and Biotechnology, IARI, New Delhi and Department of biochemistry, The American College, Madurai , Tamil Nadu (Poster Presentation)
2. Presentation on Proteo Fest'06 - **State level Conference** on 'Effluent Management' Organized By Department of Biochemistry, Rev. Jacob Memorial Christian College, Tamilnadu
3. **Regional Seminar** on "Pandemic Diseases and Management" Organized by Department of Biology, Gandhigram University (Poster Presentation).
4. Presented a paper at **National Seminar** on "Energy Conservation and Environmental Management for Sustainable Development of Process Industries organized by Institute of Technology GuruGhasidas University, Bilaspur, Chhattisgarh
5. **ORAL** Presentation on **State level Conference** on Renewable Energy and Energy Conservation for Rural Development. Organized by Rural Technological Centre, Gandhigram Rural University, Gandhigram.
6. **ORAL** Presentation on **National conference** on Environmental Pollution Management and Sustainable Development Organized by Department of Biology Gandhigram Rural University. (14th-15th Dec.2006).
7. **ORAL** Presentation on **National Biotechnology Conference** Organized by Sanatana Dharma College, Alleppey, Kerala (9th-11th Feb'2007).
8. **ORAL** Presentation on **National Conference** on Energy Security for Rural . Development (ESRD 2009) Organized by Rural Energy Centre, Gandhigram Rural University, Gandhigram (26.03.2009).
9. **ORAL** presentation on **National Seminar** on Emerging trends in Environment and

Development with a focal theme on Climate Change and Water Resources (KUNSED, 2009) organized by Department of Environmental Sciences, University of Kerala, Kariavattom, Thiruvananthapuram on (8- 9th Oct'2009).

10. Andichamy and **Vasudevan** presented a paper in **National Seminar** on Vermitechnology, Use of Biofertilizers and Solid Waste recycling for sustainable rural development. Organized by Dept. of Biology, Gandhigram Rural University (23-24th march 2010). (**BEST POSTER presentation award**).
11. Boomibalagan and **Vasudevan** presented a paper in **National Seminar** on Vermitechnology, Use of Biofertilizers and Solid Waste recycling for sustainable rural development. Organized by Dept. of Biology, Gandhigram Rural University. (23-24th march 2010).
12. R.Kottamimuthu and **N. Vasudevan** presented a paper (**Oral**) in **National Seminar** on Sustainable energy development: Opportunities and Challenges. Organized by Department of Botany St.Xavier's College, Palayamkottai, Tirunelveli District, Tamailnadu (13&14th December, 2012).
13. R. Padma Priya and **N.Vasudevan** presented a paper (**Oral**) in **National Conference** on Microbial Technology for Sustainable Development. Organized by Department of Biology, Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul District, Tamilnadu (1&2 February, 2013).
14. R. Padma Priya and **N.Vasudevan** presented a paper (**Oral**) in **National Conference** on Advances in Biological and Environmental Sciences (NCABES-2016). Organized by Department of Biology, Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul , District, Tamilnadu (25 &26th Ferbruary, 2016).
15. V. Jeyasimga and **N. Vasudevan** presented a paper (**Oral**) in **National Conference** on Advances in Biological and Environmental Sciences (NCABES-2016). Organized by Department of Biology, Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul , District, Tamilnadu (25 &26th Ferbruary, 2016).

16. R. Kottaimuthu and **N. Vasudevan** presented a paper (**Poster**) in **National Conference** on Advances in Biological and Environmental Sciences (NCABES-2016). Organized by Department of Biology, Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul , District, Tamilnadu (25 &26th Ferbruary, 2016).

17. M. Anthony Samy and **N. Vasudevan** presented a paper (**Oral**) in **National Conference** on Advances in Biological and Environmental Sciences (NCABES-2016). Organized by Department of Biology, Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul , District, Tamilnadu (25 &26th Ferbruary, 2016).

17) Participation in Conference:

18) Participation in Seminar:

19) Participation in Workshop:

20) **Participation in Orientation Programme/ Induction Programme/ Short term Courses:**

1. Attended UGC sponsored Orientation Course Organized by Madurai Kamaraj University, Madurai, Tamilnadu for college teachers.

2. Attended UGC sponsored Refresher Course Organized by Department of Biology, Gandhigram Rural University, Gandhigram, Dindigul.

3. NSS Orientation Course Organized by Avinasilingam University, Deemed University, Coimbatore, Tamil Nadu for NSS Programme Officers.

4. Attended training on HIV/AIDS organized by Health and Family Welfare Training Centre, Madurai.

5. Attended the UGC sponsored Special Summer School – 2008 organized by Bharathidasan University, Tirchirapalli.

6. Attended the **UGC sponsored Refresher Course** Organized by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram.

21) Participation in Faculty Development Programme: Nill

22) Conference/ Seminar/ Workshop Organized: Nill

23) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop:

Invited as a Chairperson for Technical Session in National Conference on Energy Security for Rural Development (ESRD 2009). Organized by Rural Energy Centre, Gandhigram Rural University, Gandhigram.

24) Other Co-curricular / Administrative Responsibilities: **Nill**

25) Member in Board of Studies:

1. Member of the Board of Studies Botany (UG), Madurai Kamaraj University, Madurai (2016-2018)
2. Member, UG –Botany Board of studies, S.Vellachamy Nadar College, Madurai
3. Member of the Board of Studies Botany (UG), Madurai Kamaraj University, Madurai (2018- 2020)

26) Editorial/ Review Board Member:

Invited as a Reviewer of Asian Pacific Journal of Tropical Biomedicine (APJTB), Beijing, China.

27) Membership in Professional Bodies:

1. Member of Bombay Natural History, Society (BNHS), Mumbai
2. Member of Indian Society for Plant Biochemistry, and Biotechnology, New Delhi
3. Member of Palani Hills Bird Watcher Society, Aathoor, Dindigul district.
4. Biofuels Information Exchange membership

28) Awards received: BEST POSTER presentation award

Andichamy and Vasudevan presented a paper in **National Seminar** on Vermitechnology, Use of Biofertilizers and Solid Waste recycling for sustainable rural development. Organized by Dept. of Biology, Gandhigram Rural University (23-24th march 2010).

29) Consultancy: Nill

30) Patents: Nil

31) Any other information:

* Note : Please provide the total Numbers and details for each metrics