

DEPARTMENT OF ZOOLOGY
SREE NARAYANA COLLEGE, NATTIKA

Savitha Nandan - Profile

Educational Qualifications

M.Sc Zoology, B.Ed, SET ,NET

Experience

12 years

Area of Interest

Entomology ,Fishery Science

Subjects Handled

Fishery Science, Ethology, Physiology, Immunology, Microbiology, Aquaculture, Evolution, Chordate & Nonchordate Zoology, Biophysics, Biostatistics, Cell Biology

Field of Research

Entomology

PhDs produced

Nil

Research Guideship details

Nil

Registered Research Scholar Details

Nil

Book Chapter Published

1. Savitha Nandan and Mamatha.K.M(2019): Gut histological analysis of *Oreochromis mossambicus* on exposure to Mercuric Chloride , Biota- A Compendium of Research Papers –Insight Publica, ISBN-97893-89155-16-7,92-95.

Papers Published

1. Savitha Nandan and Joseph Louis Olakkengil(2009): Effect of Cypermethrin on the ovariole histology of *Periplaneta Americana*(Dictyoptera:Blattidae),Millennium Zoology, ISSN-0973-1946,Vol 10(1),40-43.

2. Savitha Nandan and Joseph Louis Olakkengil(2010): Histomorphological studies on the midgut of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae)during larval and prepupal development,Journal of Ecobiology, ISSN-0970-9037, 26(1),181-187.
3. Savitha Nandan and Joseph Louis Olakkengil(2010): Histomorphological studies on the midgut of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae)during pupal and adult stages,Journal of Ecobiology, ISSN-0970-9037, 26(3), 243-248.
4. Savitha Nandan and Joseph Louis Olakkengil(2010): Studies on the foregut of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae)during prepupal development,Uttar Pradesh Journal of Zoology, ISSN-0256-971X, 30(2),169-172.
5. Savitha Nandan and Joseph Louis Olakkengil(2010): Histomorphological studies on the stomodaeal valve of larva of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae), Millennium Zoology, ISSN-0973-1946 ,Vol II (I),20-22.
6. Savitha Nandan and Joseph Louis Olakkengil(2010): Studies on the foregut of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae)during pupal development, Journal of Entomological Research, ISSN-0378-9519, 34(3),277-280.
7. Savitha Nandan and Joseph Louis Olakkengil(2011): Studies on the hindgut of *Orthaga exvinacea* Hampson(Lepidoptera:Pyralidae)during pupal and adult development, Journal of Entomological Research, ISSN-0378-9519, 35(3),283-286.
8. Savitha Nandan and Athira K.M(2015): The effect of sublethal concentrations of Mercuric chloride on total RBC and WBC count of cat fish, *Pangasius hypophthalmus*, Millennium Zoology, ISSN-0973-1946 ,Vol 16(1),13-15.
9. Savitha Nandan and Drisya. S(2017): Comparative study on the biochemical composition of some selected shellfishes on nutritive aspects, International Journal of Informative and Futuristic Research, ISSN-2347-1697, Vol 4(9),7721-7725.
10. Savitha Nandan and Surabhi .P.V(2017): Antimicrobial activity of mangrove plant extracts on *Aeromonas hydrophila* , International Journal of Creative Research Thoughts, ISSN-2320-2882, Vol 6(2),464-467.
11. Savitha Nandan and Surabhi .P.V(2020): Antimicrobial activity of mangrove plant extracts on *Escherichia coli* , Millennium Zoology, ISSN-0973-1946 ,Vol 21(1),34-35.

Proceedings Published

1. Savitha Nandan and Surabhi .P.V(2018):Antimicrobial activity of mangrove plant extracts on *E.coli* - Proceedings of National conference on Innovations in biodiversity conservation in Indian Scenario, ISBN: 978-81-909551-8-9
2. Savitha Nandan and Monisha.K.M(2019):Role of phytase in the plant based diets of *Catla catla* to improve the protein and phosphate utilization- Proceedings of

- MESMAC International conferences 2019 Bio Episteme: An anthology of research papers in science, ISBN: 978-93-5321-814-0
3. Savitha Nandan and Dr.C.F.Binoy(2019):Population status of Milk weed butterflies (Nymphalidae:Danainae) in the coastal areas of Thrissur District,Kerala - Proceedings of National Seminar on Biodiversity of Kerala after Deluge-Concerns,implications and conservation strategies, ISBN978-81-935819-3-3
 4. Savitha Nandan and Monisha.K.M(2019):Effect of dietary phytase supplementation on the growth performance of *Catla catla* – Proceedings of International Seminar on Reiterating Biodiversity (Rei- Bio-2019), ISBN:978-81-7255130-8
 5. Savitha Nandan and Reshma.P.M(2022)Study on the Ichthyofaunal diversity of Lakkidi station, Bharathapuzha River, Palakkad District, Kerala – Proceedings of Current status of biological research-An overview-ISBN:978-81-7255-134-6
 6. Savitha Nandan and Reshma.P.M(2023)Study on the physio-chemical and bacteriological parameters of Lakkidi site of Bharathapuzha River, Palakkad District, Kerala – Proceedings of Albertian Knowledge Summit 2023 An International Conference on Multidisciplinary Research

Papers/Posters Presented

1. Savitha Nandan(2013) :Physiological hazards of Welding -Poster Presentation-UGC Sponsored National Seminar on Environmental diseases-KKTM College,Pullut,Thrissur - 26-2-2013
2. Savitha Nandan(2014) :Assessment of morphological variations in different life stages and total protein content in the haemolymph of 4th instar larva of *Pachilocta aristolochiae* on exposure to mercuric chloride -Poster presentation (II PRIZE)-DCE sponsored National Seminar on Entomofaunal diversity in Western Ghats-Govt.Victoria College, Palakkad-18&19-11-2014
3. Savitha Nandan(2014) :Histology of gastrointestinal regions of fresh water fish *Oreochromis mosambica* after short term exposure to mercuric chloride - Paper presentation(I Prize)- Bio Vision 2014-National level paper presentation competition - Mercy College,Palakkad -16-12-2014
4. Savitha Nandan(2015) :Assessment of some haematological parameters (Hb & Erythrocytes) of cat fish *Pangasius hypophthalmus* after short term exposure to mercuric chloride-UGC Sponsored National conference on Trends and Innovations in Biological Research-MES College, Kallady, Palakkad-16&17-2-2015
5. Savitha Nandan(2018) :Antimicrobial activity of mangrove plant extracts on *E.coli* - KSCSTE sponsored National conference on Innovations in Biodiversity Conservation in Indian Scenario- St.Aloysius College, Elthuruth,Thrissur -13&14-3-2018
6. Savitha Nandan(2019) :Population status of Milk weed butterflies (Nymphalidae:Danainae) in the coastal areas of Thrissur District,Kerala -DOECC

sponsored National seminar on Biodiversity of Kerala after Deluge:Concerns ,implications & conservation strategies -St.Thomas College,Thrissur-22&23-2-2019

7. Savitha Nandan(2019) :Effect of dietary phytase supplementation on the growth performance of *Catla catla* – International Seminar on Reiterating Biodiversity (Rei-Bio-2019)- KKTU College,Pullut,Thrissur – 30-10-2019
8. Savitha Nandan(2020) :Relative Abundance of Brush Footed butterflies (Family:Nymphalidae) in Thrissur District,Kerala,India- National Online Conference On Environment, Human Health and Sustainable Development Goals and World Environment Day 2020 Celebration-ESDA & CSIR-NEERI New Delhi– 5&6-06-2020
9. Savitha Nandan(2022) :Study on the Ichthyofaunal diversity of Chettuva Backwaters,Thrissur,Kerala-International Conference on “Recent Trends In Aquaculture”(ICRTA-2022)-St.Xavier’s College, Palayamkottai, Tamil Nadu

Orientation Course Attended(1)

1. Orientation programme from 2-6-2015 to 29-6-2015(28 days)- Organised by UGC - HRDC, Calicut University

Refresher Course Attended(3)

1. Refresher programme in Life Science from 24-10-2018 to 13-11-2018-(21 days)- Organised by UGC-HRDC, Calicut University
2. Refresher Course in Experimental Techniques For Biological Sciences from 06-02-2020 to 19-02-2020-(14 days)- Organised by UGC - HRDC, Calicut University
3. Online Refresher Course in Natural science from 28-06-2022 to 12-07-2022 -(14 days)- Organised by Teaching and Learning Centre, Ramanujan College, Delhi & MHRD

FDP/Short Term Course Attended

1.Two weeks online FDP on Quantitative Methods For Data Analysis – 12/08/2020 to 25/08/2020 - Teaching and Learning Centre, Ramanujan College, Delhi & MHRD

2.Three day Faculty Development Programme on Best Practises in Research – 02,04 &07/11/2020 - Sree Narayana College, Nattika & KSHEC

3.Six days Online Short term Course on Adaptation of Aquatic systems to Climate Change - 02/11/2020 to 07/11/2020 – Sathyabama Institute of Science and Technology, Chennai & Ministry of Earth Science & Earth Science and Technology Cell

4. One week online FDP on Multimedia Tools for Teaching and Learning – 22/07/2021 to 28/07/2021 - Teaching and Learning Centre, Ramanujan College, Delhi in collaboration with Sree Narayana College, Nattika, Kerala under the aegis of Ministry of Education, PMMNMTT

5. Five day Online certificate course “Know your butterflies”-21/09/2021 to 25/09/2021- C-SCAPES(A Tata chemicals initiative) and TCSR (Tata Chemicals Society for rural Development)

6. Faculty Development Program ‘Advances in Effective Teaching’- 01/11/2023 to 08/11/2023 - Higher Education Council, Government of Kerala in association with IQAC, SN College, Kollam.

E-Content Development Course Attended

1. Two day Training Programme on LMS for Teaching Learning and Assessment - 27&28/01/2020- Sree Narayana College, Nattika

2. Four weeks MOOC COURSE on Course Design Using Moodle Through Kerala MOOCS -16/03/2020 to 12/04/2020 - Kerala MOOCS

3. Two Weeks MOOC Course on Online Learning and Content Development -18/04/2020 to 02/05/2020- FLAIR & DCE Kerala

4. Two Day Online Workshop on Creation of Instructional Videos & Recording - 13&14/05/2020- NSS College, Pandalam

Seminars /Conferences Attended

1. One Day Seminar on Waste Management & Modern Perspectives on DNA and Protein - 20/12/2012 - S N College, Nattika
2. National seminar on Qualitative Research-02/03/2019- St.Thomas’ College, Thrissur
3. National Seminar on Mosquitoes and Vector borne Diseases – 04/02/2016- Sree Krishna College, Guruvayur
4. National Seminar on Human Rights : Concepts, Conflicts & Consensus – 23,24&25/03/2015- S N College, Nattika
5. National Seminar on Genetical , Environmental and Life Style Impacts on Human Reproduction strategies – 30&31/12/2014 - Govt KKTU College, Pullut

6. National Seminar on Gender Issues and Empowerment of Women – 5&6/02/2014- S N College, Nattika
7. National seminar on Futuristic trends in teaching-learning process: Prospects & Praxis- 13&14/06/2019- Sree Narayana College, Nattika
8. National Seminar on Environmental Diseases – 26/02/2013 - Govt KKTm College, Pullut
9. National Seminar on Entomo faunal diversity in Western Ghats : Research Prospects & Challenges - 18&19/11/2014 - Govt Victoria College, Palakkad
10. National seminar on Current Trends in Biotechnology – 15/12/2017- St. Joseph's College, Irinjalakuda
11. National Seminar on Contemporary Issues in Capital and Derivatives Market In India- 10&11/12/2015 – S N College, Nattika
12. National seminar on Biodiversity of Kerala after deluge: Concerns, Implications & Conservation -23/02/2019 - St. Thomas' College, Thrissur
13. National seminar on Advanced Topics in Chemistry ACT 2015 -19&20/08/2015-S N College, Nattika
14. National conference on Trends and Innovations in Biological Research-16&17/02/2016- MES Kalladi College, Mannarkkad
15. National conference on Innovations in Biodiversity Conservation in Indian Scenario – 13-03-2018- St. Aloysius College, Elthuruth
16. National Colloquium on Higher Education: Academia & Administration in India-Global challenges & Local Responsibilities – 07&08/03/2017 -St. Thomas' College, Thrissur
17. International seminar on Reiterating Biodiversity-30/10/2019-Govt KKTm College, Pullut
18. International seminar on Exploring New Horizons in Medical Research -17/01/2019- Govt KKTm College, Pullut

Webinars /Online Conferences Attended

1. International webinar on Physical Training and Rehabilitation -04/11/2020 – Mangalore University
2. National webinar on Outcome Based Education: Methods and Modalities – 31/10/2020- Sree Narayana College, Nattika
3. Regional webinar on Wild Life Week Celebration-2020 – 10/10/2020- Sree Narayana College, Nattika
4. Regional webinar on Transitioning and Gender Dysphoria – 21/08/2020- Sree Narayana College, Nattika
5. International Virtual Conference on Frontiers In Health sciences -07&08/08/2020 – Cotton University & IIT, Guwahati & IABS Lucknow

6. International webinar on Covid-19 and Mental Health: Challenges and Implications - 07/08/2020 - St.Xavier's College, Aluva
7. National webinar on Research and Publication Ethics -06/08/2020- St.Thomas' College, Thrissur
8. National webinar on Immunology of Covid-19 -05/08/2020 - Gargi College, University of Delhi
9. International webinar 'Doctrina-10' on Natural Habitat Destruction and Emerging Zoonoses- Strategic Prevention and Potential Cure -31/05/2020- Sir Syed College, Kannur
10. National webinar on Organised and Successful Life Science Research Desk to Universal -15 &16/05/2020- St.Thomas' College, Thrissur
11. National Online Conference On Environment, Human Health and Sustainable Development Goals and World Environment Day 2020 Celebration-ESDA & CSIR-NEERI New Delhi- 5&6-06-2020
12. Webinar on Interpretation Of Biological Data with Bioinformatics-22-09-2021-KKTM Gov College,Pullut
13. International webinar on Trends in Technologies in Bioscience- 02/10/2021-St.Joseph's College(Autonomous),Irinjalakuda.
14. Webinar on "Role of Youth in Prevention of AIDS"04-12-2021-Sree Narayana College,Nattika
15. National Seminar On Inter Disciplinary Research Approaches-18&19-02-2022- St.Thomas' College, Thrissur
16. International Conference on "Recent Trends In Aquaculture"(ICRTA-2022)- 25-03-2022-St.Xavier's College, Palayamkottai, Tamil Nadu

Workshops Attended

1. Hands on Workshop on DNA Barcoding & Finger printing & 7&8/02/2013- Govt KKTM College, Pullut
2. Three Day National Workshop on Methodology of Biological Research – 24,25&26/11/2015 – Govt Victoria College, Palakkad
3. FLAIR Orientation Programme 2016-2017 -20/09/2016 – Maria Rani Training Centre,Sreekariyam,Trivandrum
4. FLAIR Induction Training Programme -13,14&15/10/2016 – Ashir Bhavan, Ernakulam
5. Two day Hands On Workshop on Molecular Biology, Techniques & Bioinformatics -17&18/01/2018-S N College ,Nattika
6. Two day Training cum Workshop on DNA Barcoding – 14&15/03/2018- St.Thomas' College, Thrissur

7. 'Blue Army-ToT (District Soil Conservation Training)'- 04/09/2018 – KILA,Thrissur
8. Orientation Workshop on Research writing for publication-06&08/05/2019- St.Thomas' College, Thrissur

Academic Responsibilities Undertaken

1. External Theory examiner for Msc Zoology of Autonomous colleges St.Thomas College, Christ College, Vimala College
2. External practical examiner for BSc Zoology &Msc Zoology of Autonomous colleges St.Thomas College, Christ College, Vimala College
3. Member in Question paper setter panel of BSc Zoology & MSc Zoology of Autonomous colleges St.Thomas College, Christ College, Vimala College, St.Joseph's College
4. Member in UG Board of studies in Human Physiology,Calicut University (2016-2019)

Duties Performed at College

1. UGC Plans&Implementation cell Coordinator 2013-2014
2. Best Practices Coordinator 2014-2015
3. CSS Coordinator 2014-2015
4. Academic monitoring Cell Convener 2015-2016
5. Anti Narcotic Coordinator 2017 Nov 2018 March
6. Health Club Coordinator 2019 onwards
7. Career counseling Center Coordinator 2019 TO 2020
8. Career guidance and Placement Cell Coordinator 2014 to 2020
9. Tutor of 2013-2016 BSc Zoology Batch
10. Tutor of 2018-2021 BSc Zoology Batch
11. Tutor of 2022-2024 MSc Zoology Batch(Ongoing)

Member in - P G Forum, Tutorial System, SSP, WWS, Bio diversity club, Fitness Club, Sports Club, FIST Implementation Group, Attendance committee, Value Addition Certificate Courses, Entry into Services, NET Coaching, SESRE Cell