



ORCID : orcid.org/0000-0001-8063-617X

<https://sites.google.com/view/jenipadua/home>

Website: www.padua.in

LinkedIn: Dr. Jeni Padua

FB: Jenny Padua

ADDRESS

202, "Johnny",
A. R. P Camp Road,
Nagercoil - 4,
Kanyakumari District,
Tamilnadu, India – 629004

TELEPHONE

+91 94878 34569

E-MAIL

jenipadua19@gmail.com
jeni2k@gmail.com

NATIONALITY

Indian

LANGUAGES

English
French
Hindi, Malayalam, Tamil

PROJECTS AWARDED

- **TNSCST – SPS Project** awarded by TamilNadu Government Council for Science and Technology in Jan 2018 to pursue research on Radiosensitivity and Regeneration in Zebrafishes.
- **Tamil Nadu State Council for Science and Technology SPS** Awarded in 2017 to pursue research on Natural Radiation effects on Earthworms.

Dr. JENI CHANDAR PADUA, M.Sc., M.A., B.E d., S.E.T., M.Phil .PhD

ACADEMIC CREDENTIALS

- **Dean of Science** (2020-2023), Holy Cross College, Nagercoil.
- **Erasmus Mundus Euphrates Fellow**, European Commission.
- **Visiting Researcher, University of Santiago de Compostela**, Campus de Lugo, Galicia, Spain.
- **Indian Science Academies' SRFP Research Fellow** -2019 (CSIR-Centre for Cellular & Molecular Biology, Hyderabad)
- **Visiting Faculty**, Centre for Marine Science & Technology, MSU.
- **Recognised Research Guide**, MS University.

EDUCATIONAL PROFILE

Ph.D. Zoology

Manonmaniam Sundaranar University.

M.Phil. Zoology

Annamalai University.

Master of Science in Zoology

Manonmaniam Sundaranar University.

Master of Arts in French

Bangalore University.

Bachelor of Education in Special Education

Rehabilitation Council of India & MPBOU

Diplome d'Etudes Langue Francaise DELF A1/ A2

(in French) Ministry of France & Alliance Tvm .

SET – State Lecturer's Eligibility Test

AWARDS & ACCOLADES

1. **Erasmus Mundus Euphrates Fellowship** Awarded by the European Commission to pursue research in the Universidad de Santiago de Compostela, Spain.
2. **Indian Science Academies' SRFP Research Fellowship**, awarded by Indian Academy of Sciences' to pursue research in the CSIR- Centre for Cellular and Molecular Biology Hyderabad in April 2019, on CRISPR/ CAS 9 Gene Editing.
3. **Visiting Researcher**, Zebrabiores Research Centre, Departmente Xenetica, USC, Lugo, Galicia.
4. **Kanyakumari District Woman Achiever Award**- for Educational Research Awarded by Kanyakumari Women Entrepreneurs TW Association
5. **Inspiring Woman Award** - for Cancer Awareness in Kanyakumari District.- 2018
6. **Woman Achiever 2020 Award** from Rotary Club of Nagercoil for Environmental Preservation and Education.
7. **Visiting Faculty**, Centre for Marine Science and Technology, MS Univ.
8. Elected as **Special Point of Contact (SPOC)**, SWAYAM NPTEL, IIT MADRAS, Jan 2019.
9. **Editorial Board Member** – Journal on Life Sciences.
10. **ARISE & SHINE Award** at the Gandhian District Youth Conference

ACADEMIC ACHIEVEMENTS

Books Published

- **Environmental Studies**
Published on December 2017, Saras Publications, Nagercoil, Kanyakumari District.
- **Computer for Beginners**
Published on June 2012, Edited versions in 2013, 2014, 2015, Print Point Publishers, Nagercoil, Kanyakumari District.
- **Fundamentals of Environmental Science,**
Published in January 2020, Print Point Publishers, Nagercoil Kanyakumari
- **Proceedings of the International Conference on Eco-entrepreneurship, 2020**
Print Point Publishers, Image Publishers, Nagercoil, Kanyakumari District.
- **Chapter in Book:**
Geospatial Flood Risk Mapping and Analysis Tool. Proceedings of the Springer International Conference on Remote Sensing for Disaster Management- ICRDSM, Springer Nature Publications.

CONFERENCES / WORKSHOPS ORGANISED

- **International Conference on Genomics -2017**
- **International Conference on Eco-entrepreneurship -2020** to initiate eco&bio-entrepreneurship and home-preneurship in collaboration with RISE Professionals Intl.
- **Workshop on Up-scaled Entrepreneurship and Skill Development** – jointly organized by CEE, HCC & Stella Maris Institute of Devtl studies, Sponsored by Ministry of MSME & Entrepreneurship Institute of India.
- **Swachchtha Hi Sewa Hai – Workshop on eradication of Plastics**
- **Workshop on Swachch Shakthi Abhiyan**- Plastics –Free Kanyakumari, organized for the Head Masters & School Ambassadors of Kanyakumari District, with the DRDA & Municipal Corporation.
- **Orientation Workshop on Effective Teaching Skills**- to the teachers of Good Shepherd School, Simon Nagar.

GENBANK SUBMISSIONS

Jeni Chandar Padua,
Peter Ng, Biju Kumar,
Jeba Preethi, Regis
Freedra-

For the Crab
Ocypode brevicornis,
Milne Edwards

ADMINISTRATIVE POSITIONS

College Level:

Dean of Science Designated from 2020-2023
Director, Centre for Environmental Education (CEE)
Placement Coordinator (2017-2019)
Ecoclub Co-ordinator (2014-2017)
Rotaract Co-ordinator (2015-2016)
Web & Media Committee Member (2014-2017)
Hand-Book Committee Member (2013-2015)

District Level:

District Joint Secretary- Friends of Nature Society,
Kanyakumari. (working in liaison with District
Administration)
Editor – Inner Wheel Club, District 321.
International Service Organiser -Inner Wheel Club of
Nagercoil, Dist. 321

Global Level:

Member, International Womens Peace Group, Korea
Member, Intl. Society of Zoological Sciences, Beijing.
Member, ENO Intl. National Team, India.
Member, Rotary Club of Nagercoil, Dist. 3212.

EXTRACURRICULAR – NATIONAL / DISTRICT

Invited talks given- 96
Invited talks on Zoom- 6
Signature Campaigns – 4
Rallies on Womens Issues-2
Rally for Carbon Foot Print reduction-2
Road safety awareness rally -1
Shuttle free day for No Carbon Emission-2
Radio talks-3
International talks-2
District Marathon – Cervix Cancer Awareness -1
Kanyakumari District Marathon- 5 kms- Clean & Green KK

INTERNATIONAL TRAVEL

- Lugo
- Madrid
- Portugal
- Dubai
- Cebreiro
- Santiago de Compostela
- Spain

RESEARCH/SUBJECT

Projects guided- 37
PhD Guiding – 3
Conference attended –50+
Govt. Research projects - 2
Reviewer -1
Member in boards – 2
Subject expert- IAS Study
circle, Scott Christian

Projects Handled (UG/PG/M.Phil)

Principal Investigator and Guide for the TamilNadu Government Council for Science and Technology funded Student Project Scheme awarded in Jan 2018.

Principal Investigator and Guide for the TamilNadu Government Council for Science and Technology funded Student Project Scheme awarded in Jan 2018.

Effect of *Moringa Oleifera* leaf extract on the larval stages of *Bombyx Mori* (2010-11).

Effect of the artificial sweeteners on the biochemistry and histology of the liver of Albino Rats (2010-11).

Study on the prevalence of oral cancer among cancer patients at Kanyakumari Medical Mission, CSI International Cancer Centre, Neyyoor (2011-12).

Study on the prevalence of infertility in Kanyakumari District (2011-12).

Hydrobiological studies of Karthikavadali Pond, Nagercoil, Kanyakumari District (2011-2012).

Radio resistance in the larval stages of the Silkworm, *Bombyx mori*.

Study on the commercial fish export at Chinnamuttom, Kanyakumari District (2011-12).

Study on the prevalence of Tuberculosis in Kanyakumari District (2011-12).

A study on the biodiversity of Koonchirai pond, Kanyakumari (2012-13)

Effect of Natural Background Radiation on the larval stages of the mulberry silkworm, *Bombyx Mori* (2014-15).

Hydrobiological study of Chambak Kulam Pond, Poochivilayakam, Kanyakumari District.

Effect of Natural Background Radiation on the growth and development of *Eudrilus eugineae* (2014-15).

Behavioural and Histological studies in the gills, mantle and foot of the freshwater mussel, *Lamellidens marginalis* (2014-15).

Behavioural and Histological studies in the gills, hepatopancreas and muscle of the freshwater crab, *Oziotelphusa mineriyaensis* exposed to chlorpyrifos (2014-15).

Effect of Natural Background Radiation on the growth and Development of the plants, *Solanum lycopersicum* and *Vicia faba* (2014-15).

Hydro biological studies of Peruncharai Pond, Karungal, Kanyakumari District (2015-16)

Seasonal variation in commercial fish production in the major harbours of Kanyakumari (2015-16)

Selected Publications in Journals/Proceedings

Jeni-Padua C & Basil-Rose M.R. (2013) Natural Gamma radioactivity in the villages of K.K.Dist. Radiat Prot Dosimetry 156 (1): 42-48.doi:10.1093/rpd/nct035

Jeni-Padua C & Basil Rose M.R. (2012) Effect of wind farms on the migratory birds of Kanyakumari Dist. Crossian Resonance, Volume 3. No.2.pp. 83-90, ISSN No. 0976-5417

Jeni-Padua C & Basil-Rose M.R. (2011) Natural Radiation Induced Developmental Disability: An Avian Model, Nature – Precedings, hdl:10101/npre.2011.6191.1

Jeni-Padua C & Basil-Rose M.R. (2010) Impact of Tsunami on the availability of marine commercial fishes in Kanyakumari District, Crossian Resonance, ISSN No. 0976-5417, Volume 1. No.2.pp. 100-106.

Rajaselvam, Basil Rose and **Jeni Padua. C.**, (2017) Antibacterial and phytochemical analysis of *Ervatamia coronaria* and *alternanthera sessilis* against harmful human pathogens. International Journal for Science and Advance Research in Technology, ISSN: 2395-1052. Paper Id: IJSARTV31715987.

Basil Rose M.R., **Jeni-Padua C** & Punitha, A.,(2014) Entomophagous Insects of Kanya Kumari District, India, Proceedings of the Conference on “Insects to Feed The World”, Wagenigen University, Netherlands. Pg. 14 – 17. 05.

Basil Rose M.R., **Jeni-Padua C** & Punitha, A.,(2014) *Macrotermes gilves* (Hagen) the mound building termite, a food supplement, Proceedings of the Conference on “Insects to Feed The World”, Wagenigen University, Netherlands. Pg. 14 – 17. 05.

Jeni-Padua C. & Basil Rose M.R., (2015) Study on the ornithofaunal biodiversity of the Sucheendrum area of Kanyakumari District, South India, Crossian Resonance, ISSN No. 0976-5417, 6(1): Pg. 133-139.

Jeni-Padua C., Anami A. & Jespin Ida (2015) Role of parental involvement in the academic and behavioural development of students pursuing higher education. ISSN No. 2348-8409, pp. 42-46.

Johny Samuael.S., Arul. J.S., & **Jeni Padua.C.** (2017) Geospatial Flood Risk Mapping and Analysis Tool. Proceedings of the Springer International Conference on Remote Sensing for Disaster Management, Andhra University, ISBN 978-93-85991-32-0. Pp.20.

Radiation from Coastal sand: Effects on the Radiosensitivity, Radioresistance, Regeneration and Histology of earthworms, P.C. Jeba Preethi Jansi, **Jeni-Padua C**, T. Seetha Lekshmi, R. Sahaya Priya, R.Regis Freeda, National Conference on Environmental Status of Estuarine and Coastal Ecosystems in India,

Radiosensitivity and Regeneration in the earthworms exposed to Natural background Radiation, R. Regis Freeda, Dr. Jeni Chandar Padua, P.C. Jeba Preethi Jansi, T. Seetha Lekshmi, Sahaya Priya, Bebina Cleetus, National Conference on Current Trends in Biological Sciences

Teratogenicity of common Indian herb (Matura tree) leaf extract on the embryos of the Zebrafish, *Danio rerio*, Bebina Cleetus, **Jeni-Padua C**, P.C. Jeba Preethi Jansi, R. Regis Freeda, National Conference on Life Sciences and Societal Development

Heavy metal concentration in water, sediment, shrimp (*Penaeus monodon*), and grouper fish (*Epinephelus coioides*) from Tuticorin Coast, P.C. Jeba Preethi Jansi, S. Jesily and **Jeni-Padua C**, International Conference on Recent Advancement of Biomolecule Inventions

Teratogenic and toxic effects of the leaf extract *Taraxacum officinale* during embryogenesis of Zebrafish (*Danio rerio*), P.C. Jeba Preethi Jansi, **Jeni-Padua C**, R.Regis Freeda, R. Sahaya Priya, T. Seetha Lekshmi

International Conference on “Multidisciplinary research in global challenges and perspectives of sustainable development”, Embryo-Toxic and Teratogenic effects of *Celosia argentea* leaf extract in Zebrafish (*Danio rerio*) Embryos, R. Regis Freeda, **Jeni-Padua C**, P.C. Jeba Preethi Jansi, Sahaya Priya, T. Seetha Lekshmi

International Conference on “Multidisciplinary research in global challenges and perspectives of sustainable development”, Collection and Identification of *Cybium commersonii* and Tuna of Rajakkamangalamthurai coast, Kanyakumari district, R. Regis Freeda, C. Albert and **Jeni-Padua C**.

International Conference on Recent Advancement of Biomolecule Inventions, Toxicity Assessment of *Bacopa monnieri* leaf extract using Zebrafish embryos (*Danio rerio*), P.C. Jeba Preethi Jansi, **Jeni-Padua C**, R.Regis Freeda, R. Sahaya Priya, T. Seetha Lekshmi, International Seminar on Eco- Entrepreneurship CEE- RISE 2020

Embryo Toxic effects of *Justicia adhatoda* leaves extract on Zebrafish (*Danio rerio*) embryos, R. Regis Freeda, **Jeni-Padua C**, P.C. Jeba Preethi Jansi, Sahaya Priya, T. Seetha Lekshmi, International Seminar on Eco- Entrepreneurship CEE- RISE 2020

A study on the Biodiversity of insects collected from Kurusadi village Nagercoil, Kanyakumari, R. Sahaya Priya, **Jeni-Padua C**, P.C. Jeba Preethi Jansi, R. Regis Freeda, T. Seetha Lekshmi, International Seminar on Eco- Entrepreneurship CEE- RISE 2020

Comparative study on the Regeneration potential of a few earthworms exposed to Natural Radiation, T. Seetha Lekshmi, **Jeni-Padua C**, R. Regis Freeda, P.C. Jeba Preethi Jansi, R. Sahaya Priya, International Seminar on Eco-Entrepreneurship CEE- RISE 2020

Radio-resistance, Radiosensitivity and Teratogenic effects of Natural Background Radiation on the earthworm, *Lumbricus terrestris*, R. Sahaya Priya, **Jeni-Padua C**, T. Seetha Lekshmi, National Conference on Life Sciences and Societal Development

Regeneration studies on the earthworm, *Lumbricus terrestris* exposed to Natural background Radiation, T. Seetha Lekshmi, **Jeni-Padua C**, R. Sahaya Priya, National Conference on Life Sciences and Societal Development

EXTENSION ACTIVITIES

Dr. Jeni Padua is a researcher, environmentalist and social activist who dedicates her research to the environmental perils of her District, Kanyakumari. She engages herself in Women Empowerment Initiatives and educating women on the Environmental risk factors for Cancer. She has been giving awareness on *Plastic Poisoning* and *Radiation Poisoning* which according to her research are two major risk factors for Cancer (Radiat Prot Dosimetry 156 (1): 42-48.doi:10.1093/rpd/nct035). She believes that research should not be confined to research centres or done for the sake of research publications, but rather be taken forth from LAB TO LAND to the public, for the betterment of the lives of the Women and Children of the Society.

Dr Jeni Padua is currently the **Dean of Science**, Holy Cross College, Nagercoil. She is an active environmentalist who proudly holds her position as the **Joint Secretary of Friends for Nature Society, Kanyakumari**, an organisation which works in liaison with the Kanyakumari District administration. She is constantly involved in Environmental Awareness Programmes, Cancer Awareness Campaigns and engages herself in delivering lectures and presentations for the conservation of nature and Entrepreneurship from natural resources, thereby upliftment of women in the society.

In par with men, she walked across 41 coastal villages of the District to study the radiation levels prevailing in the 2486 hamlets of these villages and correlated this with cancer prevalence. As a biologist, she formulated preventive measures and started campaigning through radiotalks and public campaigns. Her campaigns and awareness programs were so intense that they won her **“The Kanyakumari District Woman Achiever Award- 2017”** and the **“Inspiring Woman Award in 2018. She also won the Woman Achiever award in 2020.** Her radio talks on Plastic Poisoning and the effects of Natural Environmental Radiation were extremely effective that they were repeatedly telecast on **AIR, FM 101**, and spread on social media for the benefit of the underprivileged people of the coast for whom she suggested ways to escape the perils of Cancer.

Her ardent desire to find a preventive medicine for Cancer, won her an invitation by the European Union, which awarded her the **ERASMUS MUNDUS EUPHRATES research fellowship** to conduct research along with Spanish Scientists on xenografting of cancer cells, morpholino microinjections, Drug targeting and drug delivery in human cancer cells using nanocarriers, etc., at the research centre of Universidad de Santiago de Compostela, Lugo, Galicia. It was a rare privilege that she was honored as the **Visiting Researcher of the Zebrafish Research Centre of Universidad de Santiago de Compostela, Spain** and her profile is uploaded in the website (<http://www.zebrabiores.com/jeni-chandar>) of the University Research Centre.

She was awarded the **Indian Science Academies’ Research Fellowship** to conduct Gene-Editing using CRISPR/CAS9 Technology, one of the state-of-art technologies of the scientific field. Being the **District Joint Secretary of FFNS**, she works in liaison with the Kanyakumari District administration and is constantly involved in Cancer Awareness Campaigns, Environmental Awareness Programs, and engages herself in travelling miles to deliver lectures and presentations to women and children of the District. Her “Quit Plastics Campaigns” were a huge success among thousands of school students who took an oath to refuse plastic carry bags, plastic lunch boxes and are involved in educating their families on the hazardous biological effects of plastics. The district administration requested her to give awareness lecture sessions to school teachers and head masters on Plastic Evasion and alternatives to plastics. She was featured in one page in the Rotary Bulletin as the Iron Butterfly of the District. She also works towards Communal Peace and Harmony, through International WPG and Thiruvavur Peravai. She strongly believes that scientific research has to be taken forth to the women of the society, so that children would be educated through them, to become “Ambassadors of Societal Consciousness and Upliftment”... a Battalion of Soldiers who would fight towards a Better World... and a Better Global Society.