

# RESUME



**Name: P. Raja**  
**Designation: Assistant Professor**  
**Department: Zoology**  
**Address: St. Xavier's College (Autonomous)**

## PERSONAL DETAILS

Date of Birth : 30.04.1981  
Qualification : M.Sc., Ph.D.  
Designation : Assistant Professor  
Department : Zoology  
Community : BC  
Religion : Roman Catholic  
Nationality : Indian  
Mobile : 9940837769  
Email ID : drprajasxc@gmail.com

## ACADEMIC QUALIFICATIONS

| Degree | Specialization | College | University | Year of |
|--------|----------------|---------|------------|---------|
|--------|----------------|---------|------------|---------|

|      |         |                             |                    | Passing |
|------|---------|-----------------------------|--------------------|---------|
| B.Sc | Zoology | V.O.C College,<br>Tuticorin | M.S.<br>University | 2001    |
| M.Sc | Zoology | V.O.C College,<br>Tuticorin | M.S.<br>University | 2003    |
| Ph.D | Zoology | S.D.M.R.I.<br>Tuticorin     | M.S.<br>University | 2009    |

#### ACADEMIC IDENTITY

|                            |                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *VIDWAN ID                 | 194052                                                                                                                                                                                        |
| *ORCID ID                  | 0000-0003-4452-2583                                                                                                                                                                           |
| *SCOPUS ID                 | <a href="https://id.elsevier.com/settings/redirect?code=r-QxCO-BMw8vI43X3yeigBXtnBigtnXtTjI93GJe">https://id.elsevier.com/settings/redirect?code=r-QxCO-BMw8vI43X3yeigBXtnBigtnXtTjI93GJe</a> |
| *RESEARCHER ID/ PUBLONS ID | GON-9968-2022                                                                                                                                                                                 |
| GOOGLE SCHOLAR LINK        | <a href="https://scholar.google.com/citations?user=zEi7Ga4AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=zEi7Ga4AAAAJ&amp;hl=en</a>                                               |

#### ADDITIONAL QUALIFICATIONS

|                                                |
|------------------------------------------------|
| 1. Type Writing – Tamil & English Senior Grade |
| 2. SCUBA Diving- Open water                    |

#### TEACHING EXPERIENCE

|                     |                                                      |
|---------------------|------------------------------------------------------|
| Date of Appointment | 18.06.2012                                           |
| Date of Retirement  | 30.04.2041                                           |
| Teaching Experience | UG                                                   |
|                     | PG                                                   |
|                     | M.Phil.                                              |
| Research            | Guided M Phil:5 Guided Ph D:2 Guiding Ph D Scholar:4 |

#### Dissertations Guided

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| Course | Title of dissertation                                                |
| Ph.D   | K. Karunakaran, Bioactive metabolites from marine fungi, Manonmanium |

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|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Sundaranar University.                                                                                                                                                                                                        |
| Ph.D   | S. MuthuKrishnan, Characterization of Antibiotic compounds with Immunostimulant Properties from Probiotics Bacteria Isolated from Catfishes and Murrels                                                                       |
| M.Phil | K.Gautam, Screening of antibacterial activity of marine bacteria and characterization of <i>Pseudomonas pseudoalcaligenes</i> from koodankulam coast, Gulf of Mannar- Suganthi Devadason Marine research Institute, Tuticorin |
|        | Vivin J. Ravindren, Investigations on the antioxidant potential of seaweeds and their biological activity against human pathogenic bacteria. Suganthi Devadason Marine Research Institute, Tuticorin.                         |
|        | M. Vijayalakshmi, Studies on isolation of Lacto bacillus bacteria from Fish gut and Probiotic activity against common fish pathogens. Suganthi Devadason Marine Research Institute, Tuticorin                                 |
|        | S. Malarvili, Screening of antioxidant and antibacterial properties of seaweeds. St. Xavier's College(Autonomous) Tirunelveli.                                                                                                |
|        | S. Subernavathi, Bactericidal potential of seaweeds and its epiphytic bacteria of Tuticorin coast, southeast of India, St. Xavier's College(Autonomous) Tirunelveli.                                                          |
| M.Sc   | Evaluation of antibacterial activity of seaweeds and their associated bacteria against human pathogens-S.Balakrishnan, VIT University(April-2009)                                                                             |
|        | Deposition of heavy metals in sewage water and sediment in Therespuram area of Tuticorin coast-T.Akni Devi, Department of Chemistry, V.O.C.College, Tuticorin.                                                                |
|        | Study on some trace elements chemistry of Estuarine sediments and waters of Thamirabarani river at Punnakayal of Tuticorin district, Tamilnadu-R.Sheeba, Department of Chemistry, V.O.C.College, Tuticorin.                   |
|        | Heavy metal concentration in water, sediment and biota of a mangrove ecosystem near roach park, Tuticorin coast-K.Eswari, Department of Biochemistry, Muthiyammal college of Arts & Science, Rasipuram, Namakal District      |
|        | Impact of cadmium on carotenoid production of the red yeast rhodotorula species and its antagonistic activity against human pathogens- G.Reji,                                                                                |

|                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Department of Biochemistry, Muthayammal college of Arts & Science, Rasipuram, Namakal District.                                                                                                                                                      |
| Isolation of antagonistic actinomycetes from mangrove ecosystem of Tuticorin coast.- Jennifer Sylvia, Department of Biotechnology, Muthayammal college of Arts & Science, Rasipuram, Namakal District                                                |
| Extraction of Chitin and Chitosan from Shrimp and crab wastes and screening for their antibacterial activity against human pathogens. K.Sree Lekshmi, Department of Biochemistry, Muthayammal college of Arts & Science, Rasipuram, Namakal District |
| Antibacterial activity of green seaweeds, <i>Ulva fasciata</i> and <i>U. reticulata</i> against human pathogenic bacteria- C.Gith, Suganthi Devadason Marine research Institute.                                                                     |
| Studies of the bioluminescent bacteria from Tuticorin coast, Southeast coast of India, M.P.Arul moorthy, Suganthi Devadason Marine research Institute.                                                                                               |
| Studies of the bioluminescent bacteria from Tuticorin coast, Southeast coast of India, M.P.Arul moorthy, Suganthi Devadason Marine research Institute.                                                                                               |
| Antibacterial screening of seaweed, <i>Hypnea valentiae</i> (Turner,1841) and its epiphytic bacteria against human pathogens. I. Muthu Laxmi, St.Xavier's College(Autonomous) Tirunelveli.                                                           |
| Antibacterial properties of gut associated bacteria from <i>Catla catla</i> (Hamilton,1822) and <i>Channa punctatus</i> (Bloch, 1793) R. Siva Sakthi, St.Xavier's College(Autonomous) Tirunelveli.                                                   |
| Major pediatric ophthalmic complications in consanguineous marriage. S. Sornalatha, St. Xavier's College(Autonomous) Tirunelveli.                                                                                                                    |
| Relationship between childhood astigmatism and physical activity, M. Ponmani, St.Xavier's College(Autonomous) Tirunelveli.                                                                                                                           |
| Assessment of antibacterial potential of seaweeds collected from Tuticorin coast, southeast of India, V. Ramya, St. Xavier's College(Autonomous) Tirunelveli.                                                                                        |
| Relationship between gastrointestinal disease and ophthalmic complaints, M. Subashini, St. Xavier's College(Autonomous) Tirunelveli.                                                                                                                 |
| Isolation and screening of antagonistic bacteria from <i>Channa striatus</i> (Bloch, 1973). A. Divya, St. Xavier's College(Autonomous) Tirunelveli.                                                                                                  |
| Isolation and antibiotic screening of gut associated bacteria from <i>Cirrhinus mrigala</i> (Hamilton, 1822) and <i>Tilapia mossambicus</i> (Peters, 1852) against fish                                                                              |

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|  | pathogens, S. Vijayalaxmi, St. Xavier's College(Autonomous) Tirunelveli.                                                                                                                       |
|  | Isolation of antagonistic actinomycetes from mangrove ecosystem of Tuticorin coast, Southeast coast of India, P. Princes Adlin, St. Xavier's College(Autonomous) Tirunelveli.                  |
|  | Phytochemical screening, antibacterial potential and biolethal effect of <i>stigeoclonium sp</i> , B. Sujitha, St. Xavier's College(Autonomous) Tirunelveli.                                   |
|  | Antibiotic activity of antagonistic bacteria isolated from <i>Cirrhinus mrigala</i> (Bloch, 1795), M. Antony Jeniton, Dept. of Zoology, St. Xavier's College (Autonomous) Tirunelveli.         |
|  | Isolation and identification of gut associated probiotic bacteria from <i>Eetroplus maculatus</i> (Bloch, 1795), K. Ragavendran, St. Xavier's College(Autonomous) Tirunelveli.                 |
|  | Antibacterial activity of seaweed extracts against human and fish pathogens, Antony Noel Steffy, St. Xavier's College(Autonomous) Tirunelveli.                                                 |
|  | Invitro studies of antimicrobial activity in medicinal Plant, K. Ella Muthu, St. Xavier's College(Autonomous) Tirunelveli.                                                                     |
|  | Inhibition of shrimp pathogenic bacteria by extracellular compounds isolated from <i>Bacillus</i> and <i>Pseudomonas sp</i> . A. Angelin Gracia. St. Xavier's College(Autonomous) Tirunelveli. |
|  |                                                                                                                                                                                                |

#### AWARDS RECEIVED

|    |                                                                          |
|----|--------------------------------------------------------------------------|
| 1. | Junior Research Fellowship award, DST 2004-2006                          |
| 2. | Senior Research Fellowship award, DST 2006-2007                          |
| 3. | Senior Research Fellowship award , Sedhu Samuthiram Ship Channel Project |

| COURSES/<br>CLASSES<br>TAUGHT                     | NAME OF THE<br>INSTITUTIONS                        | DURATION  |          | Years                |
|---------------------------------------------------|----------------------------------------------------|-----------|----------|----------------------|
|                                                   |                                                    | From      | To       |                      |
| M.Sc Marine<br>Science and<br>Ocean<br>Management | Suganthi Devadason<br>Marine Research<br>Institute | June 2009 | May 2012 | 2 years 11<br>months |

|                 |                                                  |            |          |          |
|-----------------|--------------------------------------------------|------------|----------|----------|
| Zoology UG & PG | St. Xavier's College (Autonomous), Palayamkottai | 18.06.2012 | Till now | 12 years |
|-----------------|--------------------------------------------------|------------|----------|----------|

| ADMINISTRATIVE EXPERIENCE |                                                        |                                                                          |                      |
|---------------------------|--------------------------------------------------------|--------------------------------------------------------------------------|----------------------|
| S. No                     | DESIGNATION                                            | INSTITUTIONS                                                             | YEAR                 |
| 1                         | M.Sc. Marine Science and Ocean Management co-ordinator | Suganthi Devadason Marine Research Institute                             | August 2008-May 2012 |
| 2                         | Head of the Department                                 | Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai. | 2020-2025            |
| 3                         | Member of the Senate                                   | St. Xavier's College (Autonomous), University                            | 2023-2026            |

| MEMBERSHIP |                           |                                  |
|------------|---------------------------|----------------------------------|
| S. No      | Designation               | Particulars                      |
| 1.         | Member of Editorial Board | Indian Journal of Marine Science |

| ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( ) |                                                                                                                                                               |                               |                     |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------|
| S. No                                                                         | Name of the Training                                                                                                                                          | Name of the Sponsoring Agency | Place and Date      |
| 1.                                                                            | Nurturing Minds, Igniting Hears: An Orientation towards Ignatian Pedagogy, Holistic well being and Outcome-Based learning                                     | IQAC, SXC                     | SXC, 11, 12.06.2025 |
| 2.                                                                            | "Teaching Teachers: Style and Professionalism" A One day faculty Enhancement and Empowerment programme                                                        | IQAC,SXC                      | SXC, 23.07.2024     |
| 3.                                                                            | Preparation and Finalizing Research Papers for Journals Recognized by the Institute for Scientific Information" Faculty Enhancement and Empowerment Programme | IQAC,SXC                      | SXC, 08.08.2024     |

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|-----|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 4.  | Tirunelveli District Stakeholder's Workshop on Sea turtle conservation'                  | Tirunelveli Forest Division under IBGPCCR                                               | SXC, 19.02.2025                                                                                        |
| 5.  | Transforming challenges into opportunities: Abiling the Differently Abled Students       | IQAC,SXC                                                                                | SXC, 09.01.2024                                                                                        |
| 6.  | Online Refresher Course in Zoology                                                       | Ministry of Education, Teaching Learning Centre, Ramanujam College, University of Delhi | 16.09.2023 to 30.09.2023                                                                               |
| 7.  | Online Refresher Course on Advanced Research Methodology                                 | Ministry of Education, Teaching Learning Centre, Ramanujam College, University of Delhi | 20.08.2021 to 03.09.2021                                                                               |
| 8.  | UGC-Sponsored Online Refresher Course in Bio-Sciences (Interdisciplinary)                | HRDC, Bharathidasan University, Trichy                                                  | 11.12.2020 to 24.12.2020                                                                               |
| 9.  | Faculty Orientation Programme on " Insights into Marine Biodiversity and Taxonomy        | Centre for Climate Change Studies                                                       | Sathyabama Institute of Science and Technology<br>10 <sup>th</sup> -14 <sup>th</sup> Aug.2020          |
| 10. | Faculty Development Programme for teachers                                               | UTA                                                                                     | Universal Teachers Academy Puducherry                                                                  |
| 11. | Two week MOOC workshop for teachers on Management of Environment and its resources       | Dept of Chemistry                                                                       | Nesamony Memorial Christian College, Marthandam<br>28 <sup>th</sup> April to 11 <sup>th</sup> May 2020 |
| 12. | Faculty Development programme on Online Teaching via Google LMS during COVID 19 Pandemic | IQAC                                                                                    | C. Abdul Hakeem college, Melvisharam<br>28 <sup>th</sup> to 20 <sup>th</sup> May 2020                  |
| 13. | SXC centenary-Faculty Empowerment Programme                                              | IQAC                                                                                    | St.Xavier's College,<br>23.07.2022                                                                     |
| 14. | Orientation Training for teachers                                                        | IQAC                                                                                    | St.Xavier's College,<br>15.07.2022 &16.07.2022                                                         |
| 15. | UGC-Sponsored Online Refresher Course in Bio-Sciences (Interdisciplinary)                | HRDC, Bharathidasan University                                                          | 11.12.2020-24.12.2020                                                                                  |
| 16. | Online Refresher Course on Advance Research Methodology                                  | Ministry of Education, Teaching Learning Centre, Ramanujam College, University of Delhi | 20.08.2021-03.09.2021                                                                                  |
| 17. | Orientation programme                                                                    | HRDC, Bharathidasan                                                                     | Trichy, 18.05.2018-14.06.18                                                                            |

|     |                                                                                                       | University                         |                                                                         |
|-----|-------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------|
| 18. | Orientation programme for teachers on Counselling and mentoring                                       | IQAC                               | St.Xavier's College<br>19 <sup>th</sup> and 20 <sup>th</sup> June, 2017 |
| 19. | Orientation programme for teachers on "Innovative Teaching strategies for student-centered education" | IQAC                               | St.Xavier's College<br>5 <sup>th</sup> July 2015                        |
| 20. | Orientation programme for Teachers on "Millennium Psychology of Students"                             | IQAC                               | St.Xavier's College<br>14 <sup>th</sup> and 15 <sup>th</sup> June, 2016 |
| 21. | Orientation programme for teachers on 'Classroom management and teaching skills                       | IQAC                               | St.Xavier's College<br>21.08.2014                                       |
| 22. | Orientation programme for teachers                                                                    | IQAC                               | St.Xavier's College,<br>18 and 19 <sup>th</sup> August, 2012            |
| 23. | On going faculty development training programme for the teaching staff                                | Jesuit Higher Education Commission | St. Joseph's College, Trichy<br>4.11.2013 to 22.11.2013                 |
| 24. | Faculty workshop on competence building                                                               | UGC                                | St.Xavier's College<br>15 <sup>th</sup> and 16 <sup>th</sup> March 2013 |
| 25. | Orientation programme for teachers                                                                    | IQAC                               | St.Xavier's College,<br>15.06.2012                                      |
|     |                                                                                                       |                                    |                                                                         |

## DETAILS OF RESEARCH WORK

| Research Stages | Title of the Thesis                              | University where the work was carried out |
|-----------------|--------------------------------------------------|-------------------------------------------|
| Ph.D            | Chemical defense in seaweeds from Gulf of Mannar | M.S. University, Tirunelveli              |

## AREAS OF RESEARCH

|                         |
|-------------------------|
| Aquaculture             |
| Microbiology            |
| Marine Natural Products |



|                    |
|--------------------|
| Aquatic Toxicology |
| Biodiversity       |

| RESEARCH PROJECTS CARRIED OUT |                                                                                                                                                    |                                     |           |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|
| S. No                         | Title of the Project (Minor)                                                                                                                       | Name of the Funding Agency & Amount | Duration  |
| 1                             | Isolation and characterization of antifouling compounds from seaweed associated antagonistic bacteria of Gulf of Mannar, Southeast coast of India. | UGC-7,60,400/-                      | 2009-2012 |

| PUBLICATIONS  |                      |                                                         |                                        |            |
|---------------|----------------------|---------------------------------------------------------|----------------------------------------|------------|
| BOOKS         | BOOK CHAPTERS        | SCOPUS                                                  | WEB OF SCIENCE                         | UGC LISTED |
| 1             | 1                    |                                                         |                                        |            |
| OTHER INDEXED | AS A RESOURCE PERSON | PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS | WEBINARS, SEMINARS, WORKSHOPS ATTENDED |            |

| PUBLICATIONS: BOOKS (1) |                                    |                              |      |
|-------------------------|------------------------------------|------------------------------|------|
| S. No                   | Title of the Book                  | Publication                  | Year |
| 1                       | Training manual on seaweed culture | SDMRI, Research Publications | 2008 |

| BOOK CHAPTERS (1) |                       |                  |                 |
|-------------------|-----------------------|------------------|-----------------|
| S. No             | Title of the Paper    | Name of the Book | ISSN No., Pg.No |
| 1                 | Environmental Studies | SXC              | -               |

| PUBLICATIONS: SPRINGER (1) SCIENCE DIRECT(1) |                                                                                |                                        |                                                |
|----------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------|
| S. No                                        | Title of the Paper                                                             | Name of the Journal                    | ISSN No., Volume, Issue, Impact factor & Pg.No |
| 1                                            | Emmanuel Joshua Jebasingh, S., R. P. Rajesh, P. Raja, M. Lakshmikandan (2014). | Proceedings of the National Academy of | 85, 271–276 (2015).                            |

|   |                                                                                                                                                                                                                            |                                                               |                                                                                                   |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|   | Presence of Antibacterial Activity in Feather Star, <i>Capillaster multiradiatus</i> Extract Against Human and Fish Bacterial Pathogens..                                                                                  | Sciences, India Section B: Biological Sciences                | <a href="https://doi.org/10.1007/s40011-014-0328-5">https://doi.org/10.1007/s40011-014-0328-5</a> |
| 2 | Emmanuel Joshua Jebasingh, S., M. Lakshmikandan, R. P. Rajesh, and <b>P. Raja</b> (2013). Biodegradation of acrylamide and purification of acrylamidase from newly isolated bacterium <i>Moraxella osloensis</i> ( MSU11). | Journal of International Biodeterioration and Biodegradation. | 85 (SI). pp. 120-125. (ISSN: 0964-8305). Impact factor:3.5                                        |

| <b>PUBLICATIONS: SCOPUS INDEXED JOURNALS (9) WEB OF SCIENCE (5)</b> |                                                                                                                                                                                                        |                                                                    |                                                                                                                                                                           |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S. No</b>                                                        | <b>Title of the Paper</b>                                                                                                                                                                              | <b>Name of the Journal</b>                                         | <b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>                                                                                                                |
| 1                                                                   | Rathi, J. S. L., Ruban, Y. J. V., Mon, S. G., <b>Raja, P., &amp;</b> Muthukrishnan, S. (2025). Zirconium Phosphate Enriched Epoxy/Unsaturated Polyester Composites for Marine Antifouling Application. | <i>Journal of the Indian Chemical Society,</i>                     | 0019-4522, 102 (2025): 101808, 101808. Scopus & WoS                                                                                                                       |
| 2                                                                   | Sarath Kumar, R., Raja, P., & Rajesh, S. (2025). <i>Pennisetum setaceum</i> extracts and copper nanoparticles: A potential solution for human pathogens and mosquito-borne diseases. .                 | <i>International Journal of Entomology Research</i> , 10(6), 26–33 | ISSN: 2455-4758, Volume 10, Issue 6, 2025, Page No. 26-33, <a href="https://www.entomologyjournals.com/indexing">https://www.entomologyjournals.com/indexing</a> WoS      |
| 3                                                                   | Sarath Kumar, R., Raja, P., Alagu Parvathi, G., & Abishiek Rajkamal, M. (2025). <i>Terminalia catappa L.</i> (Tropical Almond Tree) Leaf Extract: A Natural Way to Improve Tilapia Nutrition           | Uttar Pradesh Journal of Zoology                                   | ISSN: 0256-971X (P): 46 (11): 17-29 <a href="https://www.mbimph.com/index.php/index/abstracting-indexing">https://www.mbimph.com/index.php/index/abstracting-indexing</a> |
| 4                                                                   | <b>Raja P,</b> Muthukrishnan S and                                                                                                                                                                     | Uttar Pradesh Journal of Zoology.                                  | Volume 45, Issue 17, Page 167-175, 2024; Article no.UPJOZ.3891 ISSN:                                                                                                      |

|   |                                                                                                                                                                                                                                       |                                              |                                                                                                                                                               |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Joseph Antony Reneese (2024)<br>Morphometric Characters and Meristic Counts of <i>Mastacembelus armatus</i> (Lacebede, 1800) from Maruthur Anicut, Tirunelveli District, India                                                        |                                              | 0256-971X (P)<br><br>WoS                                                                                                                                      |
| 5 | T. Elizabeth Thangamani Sunitha, <b>P.Raja</b> , Mathavan. A, Christopher sahayraj .A , Jasmin, fridolin.J.Calistus.D and Sanjay.M (2024)<br>Comparative Study of Amino Acids in the Life Stages of Silkworm ( <i>Bombyx mori</i> L.) | Uttar Pradesh Journal of Zoology             | ISSN: 0256-971X (P); Volume 45, Issue 20, Page 369-382<br><br>WoS                                                                                             |
| 6 | R Ramkumar, P Raja, P Balagangatharan, G S Mowniga(2024).<br>Evaluation of mosquitocidal and antibacterial activity of tilapia gut bacterial cell-free supernatant using <i>Culex quinquefasciatus</i> and pathogenic bacteria        | International Journal of Entomology Research | Volume 9, Issue 12, Page No. 95-101                                                                                                                           |
| 7 | Ramkumar R. and Raja P.(2024) Length-weight relationship and condition factor of the giant river prawn <i>Macrobrachium rosenbergii</i> from Poovar, Kerala, India.                                                                   | Intern. J. Zool. Invest.                     | 10(2): 805-810, 2024. ISSN: 2454-3055<br><a href="https://doi.org/10.33745/ijzi.2024.v10i02.077">https://doi.org/10.33745/ijzi.2024.v10i02.077</a>            |
| 8 | Balagangatharan P, Raja P., Ramkumar R, Rajesh (2024) Evaluation of anti-bacterial, larvicidal, and cytotoxic properties of <i>Moringa oleifera</i> extracts                                                                          | International Journal of Entomology Research | VOL. 9, ISSUE 11 (2024); ISSN: 2455-4758;<br><a href="https://www.entomologyjournals.com/indexing">https://www.entomologyjournals.com/indexing</a><br><br>WoS |
| 9 | M.Sabu, Y. Jaya Vinse Ruban, , S. Ginil Mon, <b>P. Raja</b> S.Muthukrishnan (2021) Enriched antibacterial and                                                                                                                         | <a href="#">Composites Communications</a>    | Volume (24) ISSN 2452-2139. Impact factor 4.9                                                                                                                 |

|    |                                                                                                                                                                                                               |                                                     |                                                                                                                                |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|    | antifouling performance of organoclay filled hybrid epoxy composites.                                                                                                                                         |                                                     |                                                                                                                                |
| 10 | <b>Raja, P.,</b> C. Chellaram and K. Diraviya raj (2015) Medicinal Properties of Green seaweeds, <i>Ulva fasciata</i> (Delie, 1813) and <i>U. reticulata</i> (Forsskal, 1777). <u>sciences</u> .              | International Journal of Research in Pharmaceutical | 6(1): 1-6. ISSN:0975-7538                                                                                                      |
| 11 | <b>P.Raja,</b> C.Chellaram, S.E.J.Jebasingh, N.Maheshwari, M. Chandrika and C.Gladis (2013). Bio-degradation of harmful textile dyes by marine bacteria from Tuticorin coastal Waters Southeastern India.     | Journal of Chemical and Pharmaceutical Research,    | 2013, 5(7):146-151. ISSN : 0975-7384, IMPACT FACTOR 0.75                                                                       |
| 12 | Chellaram, C., <b>P.Raja,</b> K. karnakaran, T.Prem Anand, A.Alex john, G.Kuberan, M.Chandrika and C.Gladis Rajamalar (2012). Biomedical potential of seaweeds from Gulf of mannar coastal waters.            | Global journal of Pharmacology.                     | 6(3):231-235,2012. ISSN 1992-0075                                                                                              |
| 13 | Murugan, M. Shynisha Begum, M. Santhana Ramasamy and <b>P. Raja,</b> Antifouling and antipredatory activity of natural products of the seaweeds, <i>Dictyota dichotoma</i> and <i>Chaetomorpha linoides</i> – | Natural Product Research                            | 2011 Aug 23, 21861643. <a href="https://doi.org/10.1080/14786419.2010.545355">https://doi.org/10.1080/14786419.2010.545355</a> |

|    |                                                                                                                                                               |                                        |                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|
| 14 | R.Sankar, <b>P.Raja</b> and A.Murugan,<br>“Occurrence of <i>Umbraculum umbraculum</i> in Tuticorin coast, Southeast coast of India: A possible alien species. | Indian Journal of Geo-Marine Sciences. | Vol. 40 (4), August 2011, pp 487-490. |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|

| <b>PUBLICATIONS: UGC LISTED JOURNALS (11)</b> |                                                                                                                                                                                                                                                                                |                                                                    |                                                                                                                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S. No</b>                                  | <b>Title of the Paper</b>                                                                                                                                                                                                                                                      | <b>Name of the Journal</b>                                         | <b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>                                                                               |
| 1                                             | Raja P., Rajesh S, Balangatharan P., and Ramkumar R (2024) . Physicochemical Assessment of Water Quality in the Thamirabarani River Basin                                                                                                                                      | Asian Journal of Geological Research                               | Volume 7, Issue 3, Page 312-319, ISSN: 2582-2985                                                                                         |
| 2                                             | Balangatharan P, Ramkumar R, <b>Raja P</b> (2024) Isolation and Characterization of Antagonistic Bacteria from the Gut of <i>Lampito mauritii</i> (Kinberg, 1866).                                                                                                             | Indian Journal of Science and Technology                           | 17(2): 194-203.<br><a href="https://doi.org/10.17485/IJST/v17i2.2765">https://doi.org/10.17485/IJST/v17i2.2765</a>                       |
| 3                                             | M. Sappani Muthu, P. Ajith, J. Agnes, R. Ramkumar, <b>P.Raja</b> , D. Prem Anand (2022). Synthesis, characterizations and Antibacterial Studies of Chromium trioxide Nanoparticles.,                                                                                           | International Journal for Modern Trends in Science and Technology. | 8(01): 252-258, ISSN: 2455-3778 online, DOI: <a href="https://doi.org/10.46501/IJMTST0801044">https://doi.org/10.46501/IJMTST0801044</a> |
| 4                                             | Muthukrishnan, S, <b>Raja, P</b> , & Ronald, J (2022), ‘Effect of probiotic bacteria isolated from the gut of <i>Dawkinsia filamentosa</i> (Valenciennes, 1844) on survival of <i>Channa striatus</i> (Bloch, 1793) fingerlings challenged with <i>Aeromonas hydrophila</i> ’, | Journal of Xi’an Shiyu University Natural Science Edition,         | ISSN : 1673-064X<br>vol. 18(4), pp. 337-346.                                                                                             |
| 5                                             | M. Sappani Muthu, P. Ajith, J. Agnes, R. Ramkumar,                                                                                                                                                                                                                             | International Journal for Modern Trends in                         | 8(01): 252-258, ISSN: 2455-3778 online, DOI:                                                                                             |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                                                                                                                                                     |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>P.Raja</b> , D. Prem Anand (2022). Synthesis, characterizations and Antibacterial Studies of Chromium trioxide Nanoparticles.,                                                                                                                                                                                                                                                                              | Science and Technology                     | <a href="https://doi.org/10.46501/IJMTST0801044">https://doi.org/10.46501/IJMTST0801044</a>                                                                         |
| 6  | Mabel Parimala S. P. Raja, S. Suhasini, G. Valarmathi and T. Maheswaran (2021) Assessment of antibacterial property of <i>Tribulus terrestris</i> (leaves) from Tirunelveli district, India,                                                                                                                                                                                                                   | Uttar Pradesh Journal of Zoology.          | 42(24): 388-395, ISSN: 0256-971X (P)                                                                                                                                |
| 7  | Muthu Krishnan S and <b>P. Raja</b> (2021). Immunostimulant effect of seaweeds in <i>Channa punctatus</i> challenged by <i>Aeromonas hydrophila</i> .                                                                                                                                                                                                                                                          | Journal of drug delivery and Therapeutics. | 11(4):20-23<br><a href="http://jddtonline.info/">http://jddtonline.info/</a><br>ISSN: 2250-1177                                                                     |
| 8  | M. Sappani Muthu , P. Ajith , J. Agnes , R. Ramkumar , S. Stanly John Xavier <b>P.Raja</b> Aiswarya Kesh , Akhila Kumar Sahu , D. Prem Anand, (2021) Preparation and Characterization studies of Graphene Oxide And its Antimicrobial activity.<br><a href="https://drive.google.com/file/d/1Bgkc_0tquYIgpV_f7HitTaA3W59IbjgI/view">https://drive.google.com/file/d/1Bgkc_0tquYIgpV_f7HitTaA3W59IbjgI/view</a> | Journal of Wutan Huatan Jisuan Jishu..     | Volume XVII, Issue XII,36-44, ISSN: 2455-3778 online                                                                                                                |
| 9  | S. MuthuKrishnan, P. Joseph Antony reneese, P. Raja and J. Ronald (2021) Morphometric characters and meristic counts of cat fish, <i>Mystus gulio</i> (Hamilton1822) from Maruthur Anicut, Tirunelveli district.                                                                                                                                                                                               | Uttar Pradesh Journal of Zoology.          | 42(24):123-131, ISSN: 0256-971X (P)<br>(P)<br><a href="http://mbimph.com/index.php/UPJOZ/article/view/2667">http://mbimph.com/index.php/UPJOZ/article/view/2667</a> |
| 10 | S. MuthuKrishnan, P. Raja and J. Ronald(2021) Antagonistic Activity of gut associated probiotic bacteria isolated from <i>Etroplus maculates</i> (Bloch, 1795).                                                                                                                                                                                                                                                | Uttar Pradesh Journal of Zoology.          | 42(24):138-147.<br><a href="http://mbimph.com/index.php/UPJOZ/article/view/2669">http://mbimph.com/index.php/UPJOZ/article/view/2669</a>                            |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|
| 11 | Kavitha Duraisamy , Sureshkumar Muthusamy , Senthilkumar Balakrishnan , <b>Raja Paulraj</b> (2019) Molecular modeling based structural insights into biodegradation of the pesticide Chlorpyrifos by Organophosphate hydrolase from <i>Pseudomonas stutzeri</i> MCAS01. | Journal of Information and Computational Science.             | Volume 9 Issue 12.ISSN: 1548-7741                   |
| 12 | Ramkumar R, Karthick Murugan Amster Regin Lawrence R, and <b>Raja P.</b> (2019) Biosynthesis of silver nanoparticles using <i>Acalypha fruticosa</i> Forssk. Leaf extracts.                                                                                             | Journal of Emerging Technologies and Innovative Research. (6) | 479-484. (ISSN-2349-5162)                           |
| 13 | Muthu Krishnan S, Ramkumar R, <b>Raja. P</b> and Amster Regin Lawrence R (2019) Phytochemical Analysis and Brine Shrimp Lethality Bioassay of the Leave Extract of <i>Strychnos Nux-Vomica L</i>                                                                        | Journal of Emerging Technologies and Innovative Research.     | Volume 6, Issue 3(ISSN-2349-5162).                  |
| 14 | Joseph Antony Reneese.P, Muthu Krishnan. S, <b>Raja.P</b> , and Ronald.J. (2018) Studies on Ichthyo-diversity of Maruthur anicut, Tirunelveli district, Tamil nadu, India.                                                                                              | Journal of Emerging Technologies and Innovative Research.     | NOVEMBER 2018, VOLUME 5, ISSUE 11 (ISSN- 2349-5162) |

#### **PUBLICATIONS: OTHER INDEXED JOURNALS (27)**

| <b>S. No</b> | <b>Title of the Paper</b>                                                                                                                                                                                                                        | <b>Name of the Journal</b>                              | <b>ISSN No., Volume, Issue, Impact factor &amp;Pg.No</b> |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 1            |                                                                                                                                                                                                                                                  |                                                         |                                                          |
|              | J. Vijayakumari <sup>1</sup> , T. Leon Stephan Raj <sup>1</sup> , A. Antony Selvi <sup>1</sup> , Raja Glenna, <b>P. Raja</b> (2019) Comparative Study of Plant Mediated Synthesis of Silver, Copper and Zinc Nanoparticles from <i>Tiliacora</i> | Journal of Nanoscience, Nanoengineering & Applications. | Volume 9, Issue 1, ISSN: 2231-1777 (Online)              |

|   |                                                                                                                                                                                                                |                                                                                                         |                                                               |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|   | <i>acuminata</i> (lam.) Hook. F. and Their Antibacterial Activity Studies.                                                                                                                                     |                                                                                                         |                                                               |
| 2 | Raja P and A Murugan (2018). Seasonal variation in bioactivity profile of seaweeds from Gulf of Mannar, Southeast coast of India in deterring byssus production and attached in mussel <i>Perna indica</i> , - | Seaweed Research and Utilization                                                                        | Vol. 40(2) July-December pp29-37. ISSN NO.0971-7560           |
| 3 | C. Chellaram and <b>P. Raja (2018)</b> . Isolation of antibiotic compounds from seaweeds collected from Kootapuly coastal waters, Tamilnadu, India and tested against selected pathogens.                      | Proceedings of Academics World 87 <sup>th</sup> International conference,                               | 1-2 <sup>nd</sup> July 2018 Kuala Lumpur, Malaysia,           |
| 4 | C. Chellaram and <b>P. Raja (2018)</b> . Isolation of antagonistic bacteria from fresh water fish, <i>Cirrhinus mrigala</i> (bloch, 1795) and tested against selected fish pathogens.                          | Proceedings of Third Asia pacific Conference on Multidisciplinary Research 2018,                        | Srilanka 6 <sup>th</sup> and 7 <sup>th</sup> July, 2018       |
| 5 | John Peter Paul J. and <b>P. Raja (2018)</b> . Hepatoprotective activity of methanolic extract of <i>Gracilaria corticata</i> J. Ag. in Hare Island, Thoothudi, Tamil Nadu, India.                             | World Journal of pharmaceutical research                                                                | Vol.7, Issue 7, 1517-1522                                     |
| 6 | <b>Raja, P</b> and J. Ronald (2018). Investigation on chemical defense of red seaweed <i>Gracilaria crassa</i> (Harvey ex J. Agardh) collected from Tuticorin coast of Gulf of Mannar.                         | Proceedings of the National Conference on Climate Change and Sustainable Environment 15-16, March.2018. | St. Xavier's College, Palayamkottai. ISBN: 978-93-5300-509-2. |
| 7 | Muthu krishnan S, <b>P Raja</b> and J Ronald (2018). Antibacterial Potential Of Brown Seaweed <i>Calpomenia Sinuosa</i> (Mertens & Roth) Derbes & Soliers (1851) Against Human Bacterial                       | Proceedings of the National Conference on Climate Change and Sustainable Environment 15-16, March.2018  | St. Xavier's College, Palayamkottai. ISBN: 978-93-5300-509-2  |



|    |                                                                                                                                                                                            |                                                                                                           |                                                              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|    | Pathogens.                                                                                                                                                                                 |                                                                                                           |                                                              |
| 8  | Chellaram, C., S. Subarnavathi and <b>P. Raja</b> (2016). Antibiotic activity in Epiphytic bacteria of Seaweed <i>Caulerpa scalpelliformis</i> , Southeastern India.                       | Proceedings of 26 <sup>th</sup> IASTEM International Conference, Phnom Penh, Cambodia,                    | 13 <sup>th</sup> July 2016, ISBN:978-93-86083-58-6. pg.6-10. |
| 9  | Chellaram, C., S. Subarnavathi and <b>P. Raja</b> (2016). Antibiotic activity in Epiphytic bacteria of Seaweed <i>Caulerpa scalpelliformis</i> , Southeastern India.                       | Proceedings of 26 <sup>th</sup> IASTEM International Conference, Phnom Penh, Cambodia,                    | 13 <sup>th</sup> July 2016, ISBN:978-93-86083-58-6. pg.6-10. |
| 10 | <b>Raja, P.</b> , J. Ronald (2015) Antagonistic activity of gut associated bacteria from <i>Catla catla</i> (Hamilton, 1822) and <i>Channa punctatus</i> (Bloch, 1793)                     | Int. J. Applied Bioresearch                                                                               | (2015) 23:10-15. ISSN 2250 - 2033                            |
| 11 | Kavitha, D., Sureshkumar M and <b>P. Raja</b> (2015) Screening and Optimization of Biosurfactant Production by <i>Pseudomonas aeruginosa</i> .                                             | Proceeding of the National Conference on "Sustainability, Challenges and Advances in Biological Sciences" | OP-025. Pg. 58-60.                                           |
| 12 | Priyalaxmi, A.Murugan, R. <b>P. Raja</b> and K. Diraviya Raj. (2014). Bioremediation of cadmium by <i>Bacillus safensis</i> (JX126862), a marine bacteria isolated from mangrove sediments | International Journal of Current Microbiology and Applied Sciences.                                       | 3(12): 326-335                                               |
| 13 | Angiesh, T.K. and <b>P.Raja</b> , (2013). Antibiotic sensitivity of Nosocomial pathogens against commercial antibiotics and seaweed associated bacterial metabolites.                      | Journal of Basic and Applied Biology                                                                      | (5):15-25.                                                   |
| 14 | Angiesh, T .K., <b>P Raja</b> and K. Diraviya Raj (2013). Antibacterial activity of                                                                                                        | Journal of Ecobiology,                                                                                    | 32(1): 11-19.                                                |

|    |                                                                                                                                                                                                            |                                                  |                                            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|
|    | bacteria associated with mangrove plant <i>Avicennia marina</i> and fish <i>Mene maculata</i> against human pathogens.                                                                                     |                                                  |                                            |
| 15 | Karunakaran, K., <b>P. Raja</b> , K. Diraviya raj and A. Murugan (2013). Anti-inflammatory, Analgesic, Anti-pyretic, Anti-ulcer and CNS stimulant activities of Marine fungus, <i>Aspergillus oryzae</i> . | Journal of Pharmacologia.                        | 359-364. ISSN: 2044-4656.                  |
| 16 | <b>Raja, P.</b> and D. Jaison (2012). Studies on antifouling activity of bacterial metabolites isolated from green seaweed associated bacteria against Indian brown mussel                                 | . International Journal of Biological Technology | Vol. No.3(3):25-30. ISSN: 0976 – 4313.     |
| 17 | <b>Raja, P.</b> and D. Jaison, (2012). Assessment of Antifouling properties of seaweeds associated epiphytic bacteria against Marine Biofilm strains.                                                      | International Journal of Biological Technology   | Vol. 3(1):69-73.6-117- ISSN: 0976 – 4313.  |
| 18 | <b>P. Raja</b> , C.Chellaram and A. Alex John,(2012) Antibacterial Properties of Chitin from Shell Wastes.                                                                                                 | Indian Journal of Innovations and Developments.  | Vol. 1 No. S 8 (Aug 2012) ISSN: 2277–5382. |
| 19 | Emmanuel Joshua Jebasingh, S., S. Rosemary, S. Elaiyaraja, K. Sivaraman, M.Lakshmikandan, A. Murugan and <b>P.Raja</b> .(2011) Potential Antifouling Activity of Selected Green and Red Seaweeds-          | Pharmaceutical and biomedical science.           | 2011,5(14). ISSN: 2952-8100                |
| 20 | Kathiresan,S.,R.Sankar, K.Karunakaran, <b>P.Raja</b> and A.Murugan, 2010. Diversity of phosphate solubilizing bacteria from mangroves of Tuticorin and Punnakayal.                                         | Seaweed Research and Utilization                 | Utln.32(1).1-6. ISSN NO.0971-7560          |
| 21 | Sankar,R., K.Karunakaran, S.Kathiresan, <b>P.Raja</b> and                                                                                                                                                  | Seaweed Research and Utilization                 | Vol.32(1). ISSN NO.0971-7560               |

|    |                                                                                                                                                                                                                       |                                  |                                          |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|
|    | A.Murugan,2010. Antibacterial activity of mangrove sediment associated bacteria from Tuticorin Coast,                                                                                                                 |                                  |                                          |
| 22 | Karunakaran, k., S.Kathiresan, R.Sankar, <b>P.Raja</b> and A.Murugan, 2010. Antibacterial activity of epi and endophytic fungi isolated from the seaweed <i>Padina tetrastomatica</i> Hauck against human pathogens.  | Seaweed Research and Utilization | Vol.32(1).ISSN NO.0971-7560              |
| 23 | <b>Raja,P.,K.</b> Karunakaran, R.Sankar,S.Kathiresan and A.Murugan.2009. Chemical deterrence in the red seaweed <i>Gracilaria verrucosa</i> from Tuticorin coast of Gulf of Mannar.                                   | Seaweed Research and Utilization | Vol. 31(1 & 2):109-115.ISSN NO.0971-7560 |
| 24 | Emmanuel Joshua Jebasingh, S., <b>P. Raja</b> and A. Murugan. 2008. “Antibacterial activity of the seaweed <i>Gracilaria edulis</i> associated epiphytic bacteria against human bacterial pathogens”                  | Seaweed Research and Utilization | Vol. 30 : 183-189.ISSN NO.0971-7560      |
| 25 | <b>Raja, P.</b> , R.P. Rajesh and A.Murugan, 2008. Antagonistic activity of the surface associated bacteria of the seaweed <i>Halimeda tuna</i> .                                                                     | Seaweed Research and Utilization | Vol. 30 :191-196.ISSN NO.0971-7560       |
| 26 | <b>Raja, P.</b> , V. Golda Vincy and A. Murugan. 2008. “Chemical defense in the seaweed, <i>Caulerpa scalpelliformis</i> from Tuticorin Coast”                                                                        | Seaweed Research and Utilization | Vol. 30 :120-132.ISSN NO.0971-7560       |
| 27 | Murugan, A., R. Leka Meera, <b>P. Raja</b> and K. Arul Senthil, (2007). Antibacterial activity of the seaweed <i>Chaetomorpha antennina</i> and its epiphytic bacteria against biofilm and human pathogenic bacterial | Seaweed Res.Utiln.               | Vol. 29(1&2):67 – 74, 2007.              |

|                                 | pathogens.                                                                                                   |                                      |                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|
| <b>AS A RESOURCE PERSON (1)</b> |                                                                                                              |                                      |                                        |
| <b>S. No</b>                    | <b>Name of the Event</b>                                                                                     | <b>Name of the Sponsoring Agency</b> | <b>Place and Date</b>                  |
| 1                               | Zoology Congress -Co chaired: Aquaculture                                                                    | Dept of Zoology                      | 10-13 Jan, 2018                        |
| 2                               | Creation of Scientific awareness for SHG and Farmers<br>Special lecture on Hare farming                      | TNSCST-DIT                           | on 01/12/2017                          |
| 3                               | Training Programme on Vermicomposting for the Fisher folks.                                                  | SDMRI, Tuticorin                     | Tharuvaikulam, 12.07.2006              |
| 4                               | Seaweed Culture Training to Coastal Fisherwomen as a possible source of improving the socio-economic status. | SDMRI, Tuticorin                     | Vembar, Tuticorin district. 15.12.2006 |
| 5                               | Training programme on Crab fattening to coastal fisher men,                                                  | SDMRI, Tuticorin                     | Vembar, Tuticorin district. 18.12.2006 |
| 6                               | Training Programme on Crab fattening to coastal fisher women                                                 | SDMRI, Tuticorin                     | Vembar, Tuticorin district. 20.12.2006 |

| <b>PUBLICATIONS: NCBI</b> |                                                                                       |                            |                                                          |
|---------------------------|---------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|
| <b>S. No</b>              | <b>Title of the Paper</b>                                                             | <b>Name of the Journal</b> | <b>ISSN No., Volume, Issue, Impact factor &amp;Pg.No</b> |
| 1                         | <i>Pseudomonas aeruginosa</i> strain CARE1.2 16S ribosomal RNA gene, partial sequence | GenBank: OP217140.1        | 2022                                                     |
| 2                         | <i>Bacillus velezensis</i> strain CARE1.1 16S ribosomal RNA gene, partial sequence    | GenBank: OP217139.1        | 2022                                                     |
| 3                         | <i>Aeromonas salmonicida</i> strain CAREFP03 16S ribosomal RNA gene, partial sequence | GenBank: OL873258.1        | 2021                                                     |
| 4                         | <i>Aeromonas veronii</i> strain                                                       | GenBank: OL873257.1        | 2021                                                     |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------|
|    | CAREFP02 16S ribosomal RNA gene, partial sequence                                                                                                                                                                                                                   |                                                  |      |
| 5  | <i>Aeromonas hydrophila</i> strain CAREFP01 16S ribosomal RNA gene, partial sequence                                                                                                                                                                                | GenBank: OL873256.1                              | 2021 |
| 6  | <i>Lysinibacillus fusiformis</i> strain CAREPB02 16S ribosomal RNA gene, partial sequence                                                                                                                                                                           | GenBank: OL771532.1                              | 2021 |
| 7  | <i>Acinetobacter baumannii</i> strain CAREPB01 16S ribosomal RNA gene, partial sequence                                                                                                                                                                             | GenBank: OL771531.1                              | 2021 |
| 8  | Dhanya,S., Sureshkumar,M. and <b>Raja, P. (2015).</b> <i>Staphylococcus sciuri</i> strain DHAN01 16S ribosomal RNA gene, partial sequence: Isolation, Characterization of Endophytic Bacteria from <i>Catharanthus roseus</i> and <i>Ocimum sanctum</i> Leaf Sample | Genebank and received an accession no. KT270573. | 2015 |
| 9  | Priyalaxmi.R and <b>Raja P.</b> (2012). <i>Bacillus safensis</i> isolated from mangroves of Tuticorin Genebank and received an accession no. JX126862.                                                                                                              | Genebank and received an accession no. JX126862. | 2012 |
| 10 | Karunakaran,K., <b>Raja,P.</b> and Murugan,A.(2012). Marine fungus, <i>Aspergillus oryzae</i> ,                                                                                                                                                                     | Gene Bank ACCESSION JN860066                     | 2012 |
| 11 | <b>Raja,P.</b> and Karunakaran,K. (2012). Marine Red Yeast, <i>Rhodospiridium sphaerocarpum</i>                                                                                                                                                                     | Gene Bank ACCESSION JQ245069                     | 2012 |

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP**  
**PAPER PRESENTED: National (6) International (1)**

| <b>S. No</b> | <b>Name of the Event</b>                                                                          | <b>Name of the Sponsoring Agency</b>         | <b>Place and Date</b>                                                                 |
|--------------|---------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------|
| 1            | National symposium on Marine Plants, their chemistry and Utelization                              | Seaweed research and Utelization association | Suganthi Devadason Marine Research Institute, 23 & 24.06.2005                         |
| 2            | 4 <sup>th</sup> International Symposium on “biocontrol and biotechnology”                         | IQAC                                         | at PG & Research Department of Zoology and Biotechnology, Lady Doak College, Madurai. |
| 3            | “National symposium on marine and coastal ecosystems”                                             | UGC                                          | during 27 – 29, August 2007 at Madurai Kamaraj University, Madurai                    |
| 4            | Eleventh Tamil Conference conducted by Tamilnadu Science Assembly                                 | TNSCST                                       | held at Manonmaniam Sundaranar University, Tirunelveli during May 21-23,2010.         |
| 5            | National seminar on Marine conservation                                                           | UGC                                          | A.P.C.Mahalaxmi college for women, Tuticorin during 18 <sup>th</sup> Nov. 2013.       |
| 6            | National seminar on Nascent Technologies in Biomedical, Electrical Engineering and Communications | IQAC                                         | Vel Tech multi Tech Dr.Rangarajan, Dr. Sakunthala Engineering College,                |

|   |                                                                                                                                |             |                                                                                                                    |
|---|--------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
|   |                                                                                                                                |             | Chennai during 21 <sup>st</sup> Sep. 2013.                                                                         |
| 7 | 12 <sup>th</sup> National level biological congress on Recent advances in biological sciences towards sustainable Development, | TNSCST, UGC | Muthayammal college of arts and science, Salem during 9 <sup>th</sup> and 10 <sup>th</sup> January 2014.           |
| 8 | 13th National Level Conference of IAAM on “Sustainability, Challenges and Advances in Biological Sciences”                     | TNSCST, UGC | held at Muthayammal college of arts and science, Salem during 18 <sup>th</sup> and 19 <sup>th</sup> December 2015. |

| <b>WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:</b> |                                                                                                            |                                      |                                                                          |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------|
| <b>S. No</b>                                                           | <b>Name of the Event</b>                                                                                   | <b>Name of the Sponsoring Agency</b> | <b>Place and Date</b>                                                    |
| 1.                                                                     | International conference on Vectors: menace and Management                                                 | UGC, TNSCST                          | St.Xavier’s College 28 <sup>th</sup> and 29 <sup>th</sup> Jan.2020       |
| 2.                                                                     | Seminar on Assessment and Accompaniment of students                                                        | UGC                                  | St.Xavier’s College 30.04.2019                                           |
| 3.                                                                     | Two day workshop on SPSS                                                                                   | Dept of Zoology, SXC                 | 8 <sup>th</sup> and 9 <sup>th</sup> January 2018                         |
| 4.                                                                     | International seminar on Aquaculture-current and future prospects                                          | Dept of Zoology                      | Sri Parasakthi college for women, courtrallam, 24.01.2018                |
| 5.                                                                     | Workshop on creation of Scientific Awareness                                                               | TNSCST                               | 31.11.2017                                                               |
| 6.                                                                     | National level workshop on Research Projects, Funding and E-Resources                                      | TNSCST                               | Saiva Bhanu Kshatriya College, Aruppukottai 29 <sup>th</sup> July 2017   |
| 7.                                                                     | Two day lecture workshop on “Genetics today”                                                               | Dept of Zoology                      | St.Xavier’s College 6 <sup>th</sup> and 7 <sup>th</sup> March, 2017      |
| 8.                                                                     | Seminars for teachers on “Psychology of students”                                                          | IQAC, SXC                            | St.Xavier’s College 30.09.2016                                           |
| 9.                                                                     | National Seminar on “Biodiversity and conservation: present status and future perspectives”                | Dept of Zoology, SXC                 | St. Xavier’s College, 12-13 <sup>th</sup> Feb. 2015                      |
| 10.                                                                    | National Seminar on ‘Innovations in Student-Centered teaching-learning process in 21 <sup>st</sup> Century | IQAC, SXC                            | St. Xavier’s College, 29 <sup>th</sup> and 30 <sup>th</sup> January 2015 |

|     |                                                                        |           |                                                                           |
|-----|------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------|
| 11. | National seminar on “Biodiversity and Bioresources: A fragile balance” | UGC & DST | St.Xavier’s College<br>25 <sup>th</sup> and 26 <sup>th</sup> Feb.<br>2013 |
|-----|------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------|

### **SEMINAR/WEBINARS / WORKSHOPS ORGANISED (9):**

| <b>S. No</b> | <b>Name of the Event</b>                                                                                           | <b>Date</b>                                                      |
|--------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 1.           | International Conference on Biodiversity and Climate Change - TNSCST, Chennai & SXC                                | 13.02.2025 & 14.02.2025                                          |
| 2.           | Two-day workshop on “Basic Techniques in Animal Cell Culture                                                       | 12.09.2024 & 13.09.2024                                          |
| 3.           | Workshop on Cell imaging and cytological techniques using bright field, fluorescence and phase contrast microscopy | 28.11.2023 & 29.11.2023                                          |
| 4.           | National Conference On “Biodiversity Restoration: Current Trends and Emerging Opportunities                        | 21.02.2023                                                       |
| 5.           | International conference on Recent Trends in Aquaculture                                                           | 25 <sup>th</sup> March 2022                                      |
| 6.           | National webinar                                                                                                   | 3 <sup>rd</sup> Aug 2021                                         |
| 7.           | National level Zoology Webinar Series                                                                              | 22 <sup>nd</sup> , 23 <sup>rd</sup> & 25 <sup>th</sup> July 2020 |
| 8.           | National Seminar on “Life on edge: Concerns, causes and Conservation”                                              | 18 <sup>th</sup> & 19 <sup>th</sup> February 2016                |
| 9.           | National Seminar on “Recent Trends in Endocrinology”                                                               | 24 <sup>th</sup> & 25 <sup>th</sup> 2014                         |

### **EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES**

#### **ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**

Stand In-charge Staff during 2012-13 and 2016-17

Enviro Club: Co-ordinator 2015 and 2016

Department Sports in-charge 2016-2019

Zoology Association co-in charge 2014

Zoology festival in-charge 2016



**Date:**

**Name:**