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List of Publications :

Research articles published in International Journals:

| Sl. No. | Title of the article | Journal Name | ISSN No. | Year of publication | Volume/Issue/ Page No. |
|---------|---|---|-----------|---------------------|---|
| 1. | Physico- chemical characterization of textile effluent from a dyeing industry in Tiruppur of Tamil Nadu | International Journal of Interdisciplinary and Mutidisciplinary Studies (IJIMS) | 2519-7908 | 2019 | 6 (2): 36- 43 |
| 2. | Bioconversion of agro, cattle waste and blended soil into manure by vermicomposting technology | Biomass Conversion and Biorefinery | | 2021 | https://doi.org/10.1007/s13399-021-01754-w |
| 3. | Extraction and characterization of chitin and chitosan | | | 2022 | 17 (2): 795- 804 |

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|----|---|---|-----------|------|------------------|
| | from <i>Penaeus monodon</i> and its application for water purification: An approach to utilize waste. | Current World Environment | 0973-4929 | | |
| 4. | A comparative study on color removal from textile industry effluent using shrimp and crab shell chitosan | Nature Environment and Pollution Technology | 0972-6268 | 2022 | 21 (2): 675- 681 |
| 5. | Utilization of squid gladius (<i>Doryteuthis opalescens</i>) as a source of bioactive compounds: A waste to wealth approach | International Journal of Applied Environmental Sciences | 0973-6077 | 2023 | 18 (1): 15- 25 |

Research articles published in National Journals:

| Sl. No. | Title of the article | Journal Name | ISSN No. | Year of publication | Volume/Issue/Page No. |
|---------|---|--|-----------|---------------------|-----------------------|
| 1. | Synergistic effect of developed chitosan membrane and bacteria in the bioremediation and detoxification of simulated textile effluent | Journal of Applied Science and Computations (JASC) | 1076-5131 | 2019 | 6 (4): 2454-2462 |
| 2. | Physico- chemical analysis of textile effluent collected from Tiruppur before and after treatment with crab (<i>Portunus sanguinolentus</i>) shell chitosan | Pollution Research | 0257-8050 | 2022 | 41(3): 997- 1002 |
| 3. | Extraction and characterization of chitosan from shells of crab (<i>Portunus sanguinolentus</i>) | Journal of Experimental Zoology in India | 0972-0030 | 2023 | 26 (2) |

| | | | | | |
|----|--|----------------------------------|---------------|------|----------------|
| 4. | Utilization and applications of chitosan extracted from <i>Solenocera crassicornis</i> exoskeleton | Uttar Pradesh Journal of Zoology | 0267-971X (P) | 2023 | 44 (22): 88-93 |
|----|--|----------------------------------|---------------|------|----------------|

Total Citations: 132

h index: 4; i10 index: 3

Seminar/Conference Proceedings:

| | | | | | |
|----|--|---------------|---|--|---|
| 1. | Second International Conference on Frontiers in Analytical and Clinical Techniques | International | Noorul Islam Centre for Higher Education | 24 th and 25 th January 2019 | Synergistic effect of developed chitosan membrane and bacteria in the bioremediation and detoxification of simulated textile effluent |
| 2. | Journal of Scott Research Forum ISSN: 0973-2705; Vol. 12 | National | Scott Christian College (Autonomous), Nagercoil-3 | 2022 | Removal of colour from textile waste water using crab shell chitosan |
| 3. | Journal of Scott Research Forum ISSN: 0973-2705; Vol. 12 | National | Scott Christian College (Autonomous), Nagercoil-3 | 2022 | Physico-chemical analysis and toxicity bioassay of textile effluent |
| 4. | Proceeding of National Seminar on Economic issues | National | Scott Christian College (Autonomous), Nagercoil-3 | 2023 | Application and future prospects of bioplastics- A review |

Project Details :

| Sl. No. | Name of the funding agency | Amount sanctioned | Amount received | Plan |
|---------|---|-------------------|-----------------|--------------------------------|
| 1 | Tamil Nadu State Council for Science and Technology (TNSCST) 2017-'18 | 7500/- | 7500/- | Grant for Student Project (PG) |
| 2 | Tamil Nadu State Council for Science and Technology (TNSCST) 2021-'22 | 7500/- | 7500/- | Grant for Student Project (PG) |