

Dr P. K. Dixit, Associate Professor



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Education

- 2002** **Doctorate of Philosophy (Zoology)**
Berhampur University, Berampur-760007, Ganjam, Odisha, India
Thesis title: Hormonal Adaptations of Indian toads to Thermal Stress
- 1996** **Master of Science in Zoology**
Berhampur University, Berampur-760007, Ganjam, Odisha, India
Specialization: Cell Physiology and Biochemistry.

Area of Specializations

- Teaching** Physiology, Molecular Biology, Ethology, Metabolic disorders, Molecular Genetics, Biochemistry, Microbiology, Endocrinology, Research Ethics, and Instrumentation at M.Sc and M.Phil level.
- Research** Adaptive Physiology and Biochemistry, Drug Delivery and designing

Leadership Activities

- 2019-** Head, Post Graduate Department of Zoology, Berhampur University
2015-2019 Coordinator, Research Cell, Berhampur University
2015-2017 Superintendent, Nagabali Boys Hostel from 01.06.2015 to 31.05.2017
2013-2015 Head, Post Graduate Department of Zoology, Berhampur University
2014 -2015 Course Coordinator, M.Sc Zoology (DE Mode).
2014 -2015 Assistant Coordinator, Department of Biotechnology (SFC).

Professional Affiliation

- 2012 - Present** Reader, Department of Zoology, Berhampur University, Berhampur, Odisha
2012 RA (DST-PURSE), P. G. Department of Zoology, Utkal University (10.07.2012 to 24.09.2012)
2002-2011 Faculty Member ICFAI University, Tripura (10.08.2002 to 31.12. 2011)

Other Administrative Responsibilities Handled

- Member, Senate of Berhampur University, 2013-15
- Member, Academic council of Berhampur University 2013-15.
- Managing the University Deer Park as the Head of the Department from, June 2013-May 2015.
- Member, Board of Studies in Life Sc., Microbiology, Zoology, Pharmacy and Environmental Science, and Biotechnology of Berhampur University
- Member, DRDC in Zoology, Biotechnology, Life Sc., and Pharmacy of Berhampur University
- Asst. Coordinator, Transportation Committee in the 30th Inter-University Central Zone Youth Festival, "Yuva Prativa Parva-2014" hoisted by Berhampur University from 25-29th November, 2014 in collaboration with AIU, New Delhi and Sponsored by The Ministry of Skill Development, Entrepreneurship, Youth Affairs and Sports, Govt. of India.
- Member, NAAC Steering Committee, for re-accreditation process of Berhampur University 2015.
- Convener, RAR writing for Criterion-V (Students support and Progression)-2015
- Member, Scrutiny committee to scrutinize the nomination papers of Students' Union election, 2015.
- Member, for Finalization of Regulations for P.G. and U.G. Course and Examinations under CBCS of Berhampur University, 2015
- Member, Renovation and Up-gradation of existing Facilities out of RUSA grant, 2015.
- Scrutinizer/Tabulator for the Examinations of Post Graduate/Professional Unit for the year 2016-17.
- Centre Superintendent, Part-I (DEC) Examination-2016
- Deer park responsibility for handing over the management of deer park to Department of Forests, Govt. of Odisha.
- Member for finalization of M.Phil., and Ph.D regulations of Berhampur University, 2016
- Deputy Coordinator, Health Care facilities XIIth UGC grant plan, 2016-17
- Member of the committee for the development and beautification of University Campus 2017
- Vice President ,Athletic Association Berhampur University, 2017-18 and 2018-19 and successfully organized the Annual Athletic Meet of P. G. Departments on 20th March, 2018 with participation of more than 300 athletes
- Member of the committee for finalization of location for the construction of Oxidation pond for waste water disposal and toilet complex
- Secretary, Sports Council, Berhampur University, Session 2018-19
- Vice-President, Berhampur University Teachers Association (BUTA) 2019-
- Successfully coordinated the shifting of the Deer Park and appreciated by the Syndicate of Berhampur University.
- Deputy Coordinator, Induction Program for SSB recruited lecturers, Govt. of Odisha from 13.01.2020 to 19.01.2020
- Chairman BoS in Zoology of Berhampur University from 2020-21

Contribution to Academic/Technical Education

- Member Board of Studies in Life Science, of Sambalpur University

Any other Activities (Member, Editorial Board)

- External Examiner for Other Universities
- Ph.D. External Examiner for other State universities
- Reviewer for International Journal of “**Advances in Zoology and Botany**”.
- Member, Recognition/affiliation committee to various affiliated colleges under Berhampur University.
- Member, Editorial Board of “**International Science and Research Journals**” from 2014

Membership of Academic Bodies

- Life member-Alumni Association, Department of Zoology, Berhampur University, from 1996
- Life member-Association of Biotechnology and Pharmacy from 2015
- Life member-Zoological Society, Kolkata from 2016
- Life member-Odisha Bigyan Academy from 2016
- Member-Berhampur University Teachers Association (BUTA), from 2012
- Joint Secretary, Odisha Zoological Society, 2018-

Conferences/Workshops/Short-term Courses

1. Participated in the **National Webinar on “Use of online resources in teaching-learning process”** organized by **Uka Tarsadia University** on **20.05.2020**
2. Participated in the **National Webinar on “The New Normal in Education”** organized by the **Internal Quality Assurance Cell, St. Albert’s College (Auto.)** on **23 May 2020**.
3. Organized the National Seminar “**Advances and Challenges in Biological Sciences, ACBS-2020**” as Co-Convener, at **Post Graduate Department of Zoology, February 12-13, 2020**
4. Participated the **National Workshop on “Faunal Diversity of Chilika Lagoon”** Organized by **Estuarine Biology Regional Centre, Zoological Survey of India, Gopalpur-on-sea. July 26, 2019.**
5. Participated the **National Conference on “Crossroads of Biological Sciences and its applications (CBSA)-2019”** Organized by the **Post Graduate Department of Zoology** and presented a poster entitled “**Quality by design approach for development and optimization of PLGA based nanoparticles for colorectal cancer treatment**”. **February 15-16, 2019 at Berhampur University, Bhanja Bihar, Berhampur, India**
6. Attended the **National Seminar on “Beach Erosion and Anthropogenic exploitation at costal line of Odisha and its effect on Olive Ridley sea turtle, Irrawaddy Dolphin and fish population and measures for conservation”**, organized by **Department of Zoology,**

- Berhampur University** in association with the **AABAHAN**, Sponsored by **Ministry of Earth Sciences, Govt. of India**, and presented a paper entitled **“Threat to the Coastal Plain of Odisha: A Future Prediction Study”**, 29-30 March 2018.
7. Attended the one week **UGC Sponsored Short Term Course** on **“Research Methodology”** held at **Human Resource Development Centre, Andhra University, Vishakapatnam** from **19th -25th June, 2017**.
 8. Attended the **National One week Faculty Development Programme** on **“Innovations in Teaching and Research Methods, IITRM-2017”** held at **Modern Engineering and Management Studies, Balasore** from **5th -11th June, 2017**.
 9. Participated the **UGC sponsored National Seminar** on **“Animal Science Research for Mankind: Perspective and Prospects”** Organized by the **Department of Zoology, North Orissa University, Takatpur, Baripada**, and delivered a talk on **“Seasonal Variation and Occurrence of Malaria in Ganjam District of Odisha”**. **March 24-25, 2017**.
 10. Participated the **International Conference** on **“Recent Trends of Chemical and Biological Sciences in Medicine, Natural Product and Drug Discovery (IC-RTCBSMNPDD)-2017”** Organized by the **Post Graduate Department of Chemistry** and presented two poster entitled 1. **“Safety profiling and anti-cancer potential of solvent extracts of Gishta (Annona spp.) of Ethiopia, N E Africa”**; 2. **Formulation, Optimization and Evaluation of Capecitabine Loaded Nanoparticles by Quality by Design (QbD) Approach for Colorectal Cancer Targeting”**. **March 03-05, 2017** at **Berhampur University, Bhanja Bihar, Berhampur, India**
 11. Participated the **National Workshop-cum-training** on **“Recent Development and Future trends of Bioinformatics in Biological Science”** Organized by **BIF Centre**, and Sponsored by **BTISnet-Department of Biotechnology, Government of India, New Delhi** at **Department of Zoology, Berhampur University. December 26-27, 2016**.
 12. Participated the **World Congress** on **“Drug discovery and Development and 4th World Congress on Gerontology and Geriatrics”** Organized by the **BioGenesis Health Cluster** and presented an abstract entitled **“Muco-adhesive microcapsules for oral delivery of anticancer drugs: an alternative approach for intestinal cancer treatment”**. **November 23-26, 2016** at **J N Tata Auditorium, Indian Institute of Science, Bengaluru, India**.
 13. Attended the **National Seminar** on **“Adverse Impact of Global Climate Change & Irregular Monsoon on Agriculture, Aquaculture & Capture Fishery in Coastal India and its Management”**, organized by **Department of Zoology, Berhampur University** in association with the **AABAHAN**, Sponsored by **Ministry of Earth Sciences, Govt. of India**, and presented full paper entitled **“Seasonal Variation, Climate Change and Vector-borne Diseases, a Complex Relationship”**, **26-27 March 2016, Seminar Proceedings, Page 37-48**.
 14. Participated the **International Conference** on **“Recent Advances in Biosciences and Applications of Engineering in production of Biopharmaceuticals-RABAEB-2015 and 9th Annual Convention of Association of Biotechnology and Pharmacy”** jointly

- Organized by the **Department of Biotechnology, K.L. University, Andhra Pradesh, International Society for Neurochemistry and Department of Biotechnology** and presented an abstract entitled **“Nanoparticulate system for oral delivery of anticancer drugs- A brief review”**. **December 14-16, 2015**. Also chaired a technical session in the above conference.
15. Participated the **International Seminar on “Academic Integrity”** Organized by **IIT Bhubaneswar** and Sponsored by **turnitin international and i-Group India**, at **IIT Bhubaneswar**. **November 18, 2015**.
 16. Participated the **National Workshop on “Recent Trends in Marine Biotechnology in Odisha”** Organized by **Ganapati Sabat Foundation** and Sponsored by **Department of Biotechnology, Government of India**, **New Delhi** at **Youth Hostel, Gopalpur-on-sea**. **October 20, 2015**.
 17. Participated as the **Invited Speaker** at the State level Workshop on **“Pharmaceutical Education and Industrialization in Odisha: Scope and Challenges”** organized by **APTI-Odisha State Branch** at **Utkal University, Bhubaneswar, Odisha** on **September 13, 2015**.
 18. Participated the National Workshop on **“Biotechnology for Economic Enhancement of Rural Community in Southern Region of Odisha”** organized by **Post Graduate Department of Zoology, Berhampur University, Berhampur, Odisha** Sponsored by **DBT** and in association with **Socio Cultural Development Centre**. **September 11, 2015**.
 19. Participated the **International Conference on “Innovative Applications of Chemistry in Pharmacology & Technology (IC-IACPT-2015)”** Organized by the **Department of Chemistry, Berhampur University, Berhampur, Odisha**, and presented a Poster on **“CHITOSAN and COS: An Innovative antifungal composition for Pharmacological and Phyto-sanitary Application”**. **February 06-08, 2015**.
 20. Participated the **Global Summit on “Emerging Science and Technology: Impact on Environment & Human Health”** Special Symposia on **“Cancer Therapy Environmental Toxicology”** jointly Organized by the **Department of Biotechnology, Vikram Simhapuri University, Nellore, Andhra Pradesh**, and **UNT Health Science Center, Fortworth, Texas, USA** and presented an abstract entitled **“Effect of Seed Extracts of *Caesalpinia bonducella* on Spermatogenesis of Swiss Mice”**. **August 01-03, 2014**.
 21. Participated the **National Seminar on “Current Trends of Animal Science Research in India”** Organized by the **North Orissa University, Takatpur, Baripada**, and presented a Paper entitled **“Dose dependent regulatory role of thyroxine on different enzymes in common Indian toad, *Duttaphyrinus melanostictus***. **March 21-22, 2014**.
 22. Participated the **National Workshop on “Bioinformatics and Biodiversity Conservation”** Organized by **Ganapati Sabat Foundation** and Sponsored by **Department of Biotechnology, Government of India**, **New Delhi** at **Youth Hostel, Gopalpur-on-sea**. **February 01, 2014**
 23. Participated the **Regional Science Congress on “Innovations in Science and Technology for Inclusive Development”** Organized by the **Indian Science Congress Association, Bhubaneswar Chapter**, and presented two abstracts entitled **“Vertebrate Fauna and**

- Related Vegetation of Coastal Belt of Ganjam District of Odisha and Their Conservation**", and **"Role of Key Stone Species in Biodiversity"**. January 27-28, 2014.
24. Participated in **Group Discussion of ICSSR Sponsored National Seminar on "Indigenous People and Their Rights: Issues and Challenges"** organized by **Centre for Canadian Studies**, Berhampur University, Berhampur on **January, 10-11, 2014**.
 25. Attended the **BTISnet-DBT Sponsored Workshop-cum-training Programme on "Application of Bioinformatics Tools in Biological Science teaching and Research"** organized by **BIF Centre**, Post Graduate Department of Zoology, Berhampur University, Odisha, **22-24th March, 2013**.
 26. Participated the **"1st meeting of Indian Immunological Society-Odisha Chapter"** jointly hosted by **NISER and ILS**, Bhubaneswar, Odisha, on **August 11, 2012**.
 27. Attended the **"UGC (ERO) XIth Plan Sponsored State level Seminar on "Physical Methods of Waste treatment"** organized by the **Department of Physics, Pipli College, Pipli, Puri** and presented the paper entitled **"Methods of Medical Waste Management"**, **05-06th March 2012**.
 28. Attended the **"UGC (ERO) XIth Plan Sponsored State level Seminar on "Impact of Climate Change on Health in India"** organized by the **Department of Botany, Pipli College, Pipli, Puri** and presented the paper entitled **"Climate Change and Associated Health Problems in Humans"**, **04-05th March 2012**.
 29. Attended the **"National Seminar on Modern Biology and Human Welfare"** organized by the **P. G. Department of Zoology, Berhampur University** and presented the abstract entitled **"Age Determination in Common Indian toad, *Bufo melanostictus* by 'Skeletochronology.'** (Communicated to Journal for Publication)", **28-29th March 2012**.
 30. Attended the **"UGC Sponsored National Seminar on "Contribution of Islam on Odissan Culture"** organized by the **Department of History, Pipli College, Pipli, Puri** and participated in active discussion, on **25-26th March 2012**.
 31. Attended the **"National Seminar on Effect of Global Warming and rapid changes in Oceanic line at Costal Orissa and its effect on Migratory birds of lake *Chilika* and ecological consequences"** organized by the **AABAHAN**, Sponsored by **Ministry of Environment and Forests, Govt. of India**, and presented paper entitled **"Global Warming and Birds"**, **13-14 March 2010**.
 32. Attended the **QIP short-term course on "Fundamental Techniques in r-DNA Technology"** held at **IIT, Guwahati** organized by the **Department of Biotechnology** during **3rd-7th July, 2006**.
 33. Attended the **Faculty Development Program at Hyderabad** from **12-14 May 2003**, organized by **ICFAI University**.
 34. Attended workshop on **"Bio-informatics tools in Genomics and Proteomics"** organized by **Institute of Life Sciences (DBT), Bhubaneswar** from **16-18 March 2004**.
 35. Attended the Workshop-cum-training program on **"Animal Cell and Tissue Culture"** at **National Center for Cell Sciences (NCCS), Pune (India)** held from **15th April to 27th April**

2002. Here I am specially trained to handle the various aspects of tissue culture techniques including **maintaining the culture media, aseptic techniques, and prevention of contamination, cell characterization, media preparation, viability test and Cryo-preservation of cells.**

Publications (Articles/Edited Volume)

1. Sanatan Singh and **Prasanna Kumar Dixit** (2021): Significance of Different Parameters on Fish Biological Processes, **IJSRM. Human, 2021; Vol. 19 (1): 1-17, ISSN: 2454-2008**
2. Harikrishna Ramaprasad Saripalli and **Prasanna Kumar Dixit** (2021): GC-MS Analysis of Bioactive Components in the Methanolic Extract of Graviola (Gishta) Seeds and Their Pharmacological Activities, **International Journal of Pharma and Bio Sciences, 12(3), 48-57, <http://dx.doi.org/10.22376/ijpbs.2021.12.3.B48-57>**
3. Prashanta Kumar Panda, Uma Shankar Mishra and **Prasanna Kumar Dixit** (2021): **Preparation and Characterization of Lamotrigine Mucoadhesive Tablets with Natural Polymers, Annals of the Romanian Society for Cell Biology, Vol 25 (5): 5233-5241 (ISSN: 1583-6258)**
4. Prashanta Kumar Panda, **Prasanna Kumar Dixit** and Uma Shankar Mishra (2021): Formulation development and evaluation of Cefixime mucoadhesive tablets using natural polymers, **European Journal of Molecular & Clinical Medicine, Vol: 8 (1): 1995-2008 (ISSN 2515-8260)**
5. Harikrishna Ramaprasad Saripalli, and **Prasanna Kumar Dixit (2020)**: Green synthesis of silver nanoparticles using Graviola (Gishta) seed extracts and their antimicrobial activities, **Journal of Interdisciplinary Cycle Research, Volume XII, Issue IX, September/2020, pp.1086-1103, DOI:18.0002.JICR.2020.V12I9.008301.3171220128**
6. Mamata Mishra and **Prasanna Kumar Dixit (2020)**: Multi-potential influence of gut microbiota on human health, **International Journal of Food, Nutrition and Dietetics, Vol: 8 (2): 79-84, (ISSN: 2455-569X), DOI: <http://dx.doi.org/10.21088/ijfnd.2322.0775.8220.3>**
7. Chinmaya Mahapatra, Padala Narasimha Murthy, Anjan Kumar Mahapatra, Sudhir Kumar Sahoo, **Prasanna Kumar Dixit** (2020): Development, Characterization and Optimization of Polymeric Mucoadhesive Microcapsules containing anticancer agent using Response Surface Method: *in vitro* and *in vivo* Study, **International Journal of Research in Pharmaceutical Sciences, Vol: 11 (3) PP:3429-3442, July 2020 (ISSN: 0975-7538) DOI: <https://doi.org/10.26452/ijrps.v11i3.2483>**
8. Mamata Mishra and **Prasanna Kumar Dixit (2020)**: CSF biomarkers as potential screen of HIV-1 subtype C in post-HAART era, **Indian Journal of Neuroscience, Vol:6(2), pp78-82, ISSN: 2581-8236, DOI: <https://doi.org/10.18231/j.ijn.2020.016>**
9. Mamata Mishra and **Prasanna Kumar Dixit** (2020): Cellular lactate and pyruvate are key intermediates for intra-cellular energy metabolism in age related phenomenon, **International Journal of Clinical Biochemistry and Research: Vol:7 (2) , pp 285-290, ISSN: 2394-6369, DOI: <https://doi.org/10.18231/j.ijcbr.2020.062>**
10. Sunita Patra and **Prasanna Kumar Dixit** (2020): *Lampito mauritii* (Annelida:Oligochaeta): A potential indicator of soil quality in the agroecosystem of Bhubaneswar, Odisha. Proceedings of

International Biodiversity Congress (IBC 2018), **Prospectives on Biodiversity of India, Volume-IV, pp: 597-601, ISBN: 978-81-937930-6-0**

11. Chinmaya Mahapatra, Padala Narasimha Murthy, Sudhir Kumar Sahoo, Anjan Kumar Mahapatra, Prasanna Kumar Dixit (2020): Preparation and characterization of mucoadhesive microcapsules of paclitaxel, **International Journal of Research in Pharmaceutical Sciences, Vol: 11 (2) PP:2575-2583, July 2020 (ISSN: 0975-7538) <https://doi.org/10.26452/ijrps.v11i2.2262>**
12. Goutam Kumar Jena, C H Niranjana Patra, **Prasanna Kumar Dixit** (2020): Cytotoxicity and Pharmacokinetic Studies of PLGA Based Capecitabine Loaded Nanoparticles, **Indian Journal of Pharmaceutical Education and Research, Vol 54 (4), PP: 349-356 Apr-June, 2020, DOI: 10.5530/ijper.54.2.40**
13. Neelima Ayyalasomayajula, Madhuri Bandaru, **Prasanna Kumar Dixit**, Rajanna Ajumeera, Chellu S. Chetty, Suresh Challa (2020): Inactivation of GAP-43 due to the depletion of cellular calcium by the Pb and amuloid peptide induced toxicity: An in vitro approach, **Chemico-Biological Interactions, Vol: 316 (2020), pp: 01-07 ISSN: 0009-2797, <https://doi.org/10.1016/j.cbi.2019.108927>**
14. Harikrishna Ramprasad Saripalli and **Prasanna Kumar Dixit (2019)**: Antimicrobial efficacy of solvent extracts of seeds, fruit pulp and leaves of Graviola (Gishta):**International Journal Of Pharmaceutical, Chemical And Biological Sciences, Vol: 9 (3): 128-137, ISSN: 2249-9504.**
15. Manasi Kumari Panda, P. K. Dixit, and A. K. Panigrahi (2018): Toxicological effects of leachate of red mud pond of Nalco on the tissue slice respiration rate of different organs of a fresh water fish, *Oreochromis mossambicus*, Peters under laboratory conditions, **National Journal of Life Sciences, Vol: 15 (2), pp 149-152, ISSN: 0972-995X.**
16. **P. K. Dixit**, A. Padmavati, and A. K. Panigrahi (2018): Impact of paper mill effluent on fresh water fish *Oreochromis mossambicus*, Peters and its eco-toxicological implications, **National Journal of Life Sciences, Vol: 15 (1), pp 45-49, ISSN: 0972-995X.**
17. A. Padmavati, **P. K. Dixit**, and A. K. Panigrahi (2018): Impact of paper mill effluents on respiration rate of a fresh water fish *Oreochromis mossambicus*, Peters and its ecological implications, **Life Science Bulletin, Vol: 15 (1), pp: 101-106, ISSN: 0973-5453.**
18. Manasi Kumari Panda, P. K. Dixit, and A. K. Panigrahi (2018): Impact of Leached Chemicals of Red mud waste on respiration rate of a fresh water fish, *Oreochromis mossambicus*, Peters and its Ecological implications, **Life Science Bulletin, Vol: 15 (1), pp: 89-93 ISSN: 0973-5453.**
19. Suresh Challa and **Prasanna Kumar Dixit (2018)**: Antioxidant and Antiapoptotic Effects of Fraxetin against Lead Induced Toxicity in Human Neuroblastoma Cells, **Organic & Medicinal Chemistry International Journal, 5(1): 555651, ISSN: 2474-7610, DOI: 10.19080/OMCIJ.2018.04.555651.**
20. **Sanatan Singh, G. Mishra, P. K. Dixit (2018)**: Biochemical segregation of amino acids and fatty acids of three fresh water teleosts (*Clarias batrachus*, *Channa punctatus*, and *Anabas testudineus*), **International Journal of Creative Research Thoughts, Volume 6 (1), January 2018, pp 686-694, ISSN: 2320-2882**
21. **Sanatan Singh, G. Mishra, P. K. Dixit (2018)**: Comparative Analysis in Gut Content of Three Fresh Water Teleosts (*Clarias Batrachus*, *Channa punctatus*, and *Anabas Testudineus*) during Different Season, **Indian Journal of Biology, Vol: 5 (1): pp 66-75, ISSN: 2455-8249 DOI: <http://dx.doi.org/10.21088/ijb.2394.1391.5118.10>**

22. Manasi Kumari Panda, P. K. Dixit, and A. K. Panigrahi (2017): Toxicological effects of leached chemicals of red mud waste of NALCO on a fresh water fish and its ecological implications, **National Journal of Life Sciences**, Vol: 14 (2), pp 119-124 ISSN: 0972-995X
23. Bibaswan Mishra, Prasanta Kumar Biswal, Nihar Ranjan Pani, Prasanna Kumar Dixit (2017): In-vitro Characterization and Pharmacokinetic investigation of self-Micro Emulsifying Tablets of Cinnarizine, **Research J. Pharm. and Tech.** 10(10): pp 3492-3497, ISSN: 0974-3618 (Print), 0974-360X (Online), DOI: 10.5958/0974-360X.2017.00625.4 (Scopus)
24. Goutam Kumar Jena, Sunit Kumar Sahoo, Ch. Niranjana Patra, Kahnu Charan Panigrahi, Swatilekha Sahu and Prasanna Kumar Dixit (2017): Design, Optimization, and Evaluation of Capecitabine-loaded Chitosan Microspheres for Colon Targeting, **Asian Journal of Pharmaceutics**, Jul-Sep 2017 (Suppl), Vol: 11 (3): S592, ISSN: 0973-8398, Sl. No. 8807
25. Harikrishna Ramprasad Saripalli, and Prasanna Kumar Dixit (2017): In vitro Studies on Anti-Tumour activities of solvent extracts of leaves, fruit pulp and seeds of Graviola (Gishta) cultivar of Ethiopia, N. E. Africa, **International Journal of Innovative Research in Science, Engineering and Technology**, Vol. 6 (8), August 2017, 16743-16749, ISSN(Online): 2319-8753 ISSN (Print) : 2347-6710, DOI:10.15680/IJIRSET.2016.0608142
26. Suresh Challa and Prasanna Kumar Dixit (2017): Ameliorating effects of Magnolol in reducing the toxicity induced by Heavy metal Lead in the human brain cells, **Journal of Pharmacology and Toxicology**, 12 (3): 111-119, 2017, ISSN:1816-496X, DOI: 10.3923/jpt.2017.111.119.
27. Goutam Kumar Jena, Sunit Kumar Sahoo, Prasanna Kumar Dixit, Shantibhusan Senapati, Ch. Niranjana Patra, and Kahnu Charan Panigrahi (2017): Nanotechnology as Cutting Edge Technology For Screening, Detection and Treatment of Colorectal Cancer, An Elsevier Indexed **Journal of Global Trends in Pharmaceutical Sciences**, 8(1): 3564 – 3570, ISSN-2230-7346.
28. Jena Goutam Kumar, Sahoo Sunit Kumar, Dixit Prasanna Kumar, Patro Ch. Niranjana, Panigrahi Kahnu Charan, Swain Suryakant (2017): Ongoing trends and recent patent survey on Colon targeting, **Journal of Drug Delivery Research**, 5 (4), 08-25, eISSN 2319-1074.
29. Bibaswan Mishra , Prasanta Kumar Biswal, Prasanna Kumar Dixit and Manas Mahapatra (2017): Formulation development and evaluation of taste masked rapidly dissolving films of Lamotrigine, **European Journal of Pharmaceutical and Medical Research**, 4(1), 447-451, ISSN: 2394-3211
30. Chinmaya Mahapatra, Padala Narasimha Murthy, Prasanna Kumar Dixit, Sudhir Kumar Sahoo, Anjan Kumar Mahapatra, Monalisa Debata (2016): Statistical Approach in Designing, Formulation and Optimization of Paclitaxel Loaded Mucoadhesive Microcapsules, **International Journal of Innovative Research in Science, Engineering and Technology**, Vol. 5 (12), December 2016, 21331-21339, ISSN(Online) : 2319-8753 ISSN (Print) : 2347-6710, DOI:10.15680/IJIRSET.2016.0512089.
31. Suresh Challa and Prasanna Kumar Dixit (2016): Mitigative effects of Koenidine in reducing the toxicity induced by heavy metal lead in human neuroblastoma cells. **Journal of Chemical Biology and Therapeutics** , 1(2), 113, ISSN: 2572-0406
32. Bibaswan Mishra, Prasanta Kumar Biswal, Jagannath Sahoo, Prasanna Kumar Dixit, Biswajit Panda and Abhisek Patel (2016): Effect of hydrophobic polymer on release profile of Diltiazem HCl loaded gelatinous microsphere cross-linked with glutaraldehyde, **Saudi Journal of Medical and Pharmaceutical Sciences** (ISSN 2413-4929 Print, ISSN 2413-4910 (Online), Vol-2 (10), 273-278, (October, 2016):223-235, DOI: 10.21276/sjmps.2016.2.10.1.

33. Harikrishna Ramprasad Saripalli, and **Prasanna Kumar Dixit (2016)**: Screening of antinutrients in leaves, fruit pulp and seeds of Gishta (*Annona spp.*) of Ethiopia, North East Africa. *IRA-International Journal of Applied Sciences* (ISSN 2455-4499), 4(3), 471-481. doi: <http://dx.doi.org/10.21013/jas.v4.n3.p11>.
34. Sanatan Singh, Mishra, G. and **Dixit, P. K. (2016)**: Ascorbic acid (Vit-C) induced biochemical alternation of collagen characteristics in the heart tissues of Swiss mice, **International Journal of Current Research**, Vol. 8 (9), Pages: 37575-37579, September (2016), ISSN: 0975-833X
35. Sanatan Singh, Patra AK and **Dixit PK (2016)**: Biochemical Analysis of Lipids and Proteins in three Freshwater Teleosts (*Clarias batrachus*, *Channa punctatus*, *Anabas testudineus*), **Research Journal of Recent Sciences**, Vol. 5(6), Pages: 24-33, June (2016), (E-ISSN 2277-2502)
36. Gitanjali Pattnayak, Gitanjali Mishra and **Prasanna Kumar Dixit (2016)**: Age related occurrence of different forms of tuberculosis in rural area of Gallery in the district of Ganjam, **Research Journal of Berhampur University**, Vol. II, Pages: 150-156. (ISSN 2250-1681)
37. Harikrishna Ramprasad Saripalli, Lydia Swapna Nandam and **Prasanna Kumar Dixit (2016)**: Effective Bio-methods in Defending Biodiversity from Pollution with special focus on Ethiopia, N E Africa-A Review, **International Journal of Integrative Sciences, Innovation and Technology**, Vol. V (1), Pages: 93-101, January 2016. (ISSN 2278-1145)
38. Harikrishna Ramprasad Saripalli, Lydia Swapna Nandam and **Prasanna Kumar Dixit (2016)**: Anti-Tumour Potential of Solvent Extracts of Seeds of Graviola (*Gishita*) Cultivar of Ethiopia, **Science Spectrum**, Vol. 1 (1), Pages 93-101, January 2016. (ISSN 2455-5053)
39. Bibaswan Mishra, Jagannath Sahoo, **Prasanna Kumar Dixit (2016)**: Enhanced bioavailability of cinnarizine nanosuspensions by particle size engineering: Optimization and physicochemical investigations, **Materials Science and Engineering: C**, Volume: 63 (2016), Feruary, 2016, Pages 62-69. (ISSN: 0928-4931)
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Ph. D. Scholars Awarded/Submitted:

1. **Prasanta Kumar Biswal (2015)**: Formulation and Evaluation of Self-Emulsified Drug Delivery System of Some poorly Water Soluble Drugs. November, 2015
2. **Bibaswan Mishra (2016)**: Formulation Development, Optimization and Characterization of Nanosuspensions of Some poorly Water Soluble Drugs. March, 2016
3. **Goutam Kumar Jena (2019)**: Formulation, Design, Optimization and Characterization of Mucoadhesive Multi-Particulate Drug Delivery Systems of Selected Anticancer Drugs of Colorectal Cancer, March, 2019

4. **Sanatan Singh:** An Approach to Biochemical Studies of Piscine Fatty Acids and Proteins December, 2020
5. **Dr. Challa Suresh:** Deleterious effects of lead and amyloid peptides and their toxic mechanisms in human brain cells October, 2020.
6. **Chinmaya Mahapatra (INSPIRE):** Anticancer Drug Encapsulated Mucoadhesive Microcapsules to Treat Intestinal Carcinoma Cells (March 2021)

Ph. D. /D.Sc Scholars Working:

1. **Dr. Harikrishna Ramaprasad Saripalli:** Studies on Bioassays and biological properties of the genus *Annona* (*graviola*) in the Ethiopia of north east Africa with special reference to their gc-ms analysis and nanotechnology aspects. (for D.Sc)
2. **A Padmavati:** Eco-Physiological effects of Effluent of the International paper mill situated at river Godavari basin at Rajmundry on a fresh water fish.
3. **Manasi Kumari Panda:** Environmental contamination caused by the leached chemicals of red mud waste, its impact on a fresh water fish and its ecological implications.
4. **Abhaya Prasad Tripathy:** Eco-Physiological Effects Induced by Effluents of a Paper Mill on a Blue-Green Alga and its possible reclamation by Environmental Agents.
5. **Prashanta Kumar Panda:** Formulation, Development and Pharmacological Evaluation of Polyherbal Dosage Forms Prepared from Selected Medicinal Plants of Ganjam District, Odisha.
6. **Saishree Sahu:** A comparative study of post natal development of children in different socio-economic categories in relation to Nutrition
7. **Saswati Panigrahi:** Evaluation of Phytochemicals and Biological Activity of Some Selected Traditionally Used Indegenous Medicinal Plants having Antidiabetic Activity
8. **Sanjeeb Kumar Kar:** Phytochemical screening and pharmacological evaluation of *Byttneria herbacea* (Malvaceae)

M. Phil Students Awarded:

1. Mrs. A. Padmavati (2014): Eco-Physiological changes induced by a pesticide on a fresh water fish under laboratory controlled conditions
2. Ms. Supriya Gupta (2014): Seasonal variation in the occurrence of different vector borne diseases in Ganjam district of Odisha
3. Ms. Sunita Patra (2015): Ecological diversity and abundance of earthworms in Jatni block of Khordha district, Odisha
4. Shakti Pradayini Nanda (2016): A study on natural compounds for cancer treatment and prevention
5. Priety Naik (2016): Study on diet related diseases and their control
6. Bhabani Karuna Pradhan (2016): Possible role of hormones in regulating metabolic homeostasis a review
7. Susri Madhumita Mohapatra (2017): Organophosphate toxicity on fresh water aquatic organisms with special reference to fish
8. Sasmita Behera (2017): Changes in some biochemical parameters in fresh water fish upon pesticides toxicity
9. Prasanta Kumar Tripathy (2018): Studies on the Flat Fishes (Order: *Pleuronectiformes*) found along Odisha Coast

Awards and Prizes/Scholarships:

1. SRF (CSIR/NET): **01. 02. 1999 to 31. 01. 2002**
2. JRF (CSIR/NET): **21. 04. 1997 to 31. 01. 1999**
3. Gold Medal: 1996 (In Master of Science Zoology)

4. Post-Matric National Scholarship