

## BIO-DATA

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### **Dr. SANATAN MAJHI**

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### **EDUCATION**

#### **Ph. D. (2017)**

**Thesis Title:** “Development of label-free biosensor assay for studying interactions of recombinant/synthetic peptide antigens and Brucella antibodies”

**Advisor:** Dr. Bishnu Prasad Mishra, Director, ICAR- National Bureau of Animal Genetic Resources (ICAR-NBAGR), Karnal, Haryana, India.

#### **M.V. Sc. (2010)**

**Thesis Title:** “Molecular Characterization of H9N2 Avian Influenza Viruses isolated from West Bengal in 2008”

**Advisor:** Dr. S. Nagarajan, Principal Scientist, ICAR- National Institute of High Security Animal Diseases (ICAR-NIHSAD), Bhopal, Madhya Pradesh, India.

#### **B.V. Sc. & A.H (2006)**

College of Veterinary Science & Animal Husbandry, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha, India.

### **FELLOWSHIPS / AWARDS**

- UGC-Rajiv Gandhi National Fellowship (UGC-RGNF), Govt. of India for pursuing Ph.D. (2012).
- ICAR-Senior Research Fellowship, Govt. of India (2011)
- ICAR-National Eligibility Test, Govt. of India (2012)
- ICAR-IVRI-Institutional Fellowship (2008-2010)

## **TEACHING EXPERIENCES**

Assistant Professor, Department of Biotechnology, Utkal University (since, 2015)

### **Subjects**

**M.Sc. Biotechnology:** Biochemistry ,Cell Biology and Genetics, Instrumentation & Analytical techniques, Microbiology, Immuno-biology and Immuno-technology, Genetic Engineering , Animal Biotechnology, Bio-techniques, Project Work (Thesis/ Dissertation mentoring)

**M. Phil.:** Tools and Techniques in Biotechnology

**Pre-PhD (Course work):** Microbiology

## **RESEARCH / PROFESSIONAL EXPERIENCES**

### **1. Utkal University (since, 2015)**

**Designation:** Assistant Professor& In-charge of Microbial Technology Laboratory, Utkal University.

#### **Subject:**

- Molecular Expression of Thermostable Glutaminase free L-asparaginase gene from a high yielding Thermophilic isolate in *E. Coli*: A Prospective Recombinant Enzyme for Leukaemia Chemotherapy (2017-23)
- Bioprocess Development, Molecular Characterization and Purification of A Thermostable Protease with Fibrinolytic Potentials (2017-23)
- Development of Lateral flow based Immuno-diagnostics for Brucellosis (2019-23)
- Development of a Gold Nanoparticle-Based Enhanced Lateral Flow Immunoassay (LFA) for rapid in-field detection of Foot-and-Mouth Disease Virus (2022-Cont.)

### **2. ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh Biosensor and Bioassay Lab. (2011-2015)**

**Designation:** UGC-RGNF-Junior Research Fellow/Senior Research Fellow

**Subject:** Development of label-free biosensor assay for studying interactions of recombinant/synthetic peptide antigens and Brucella antibodies

**3. ICAR-Central Avian Research Institute, Izatnagar, Bareilly, Uttar Pradesh (2010 – 2011)**

**Designation:** DBT-Junior Research Fellow

**Subject:** Application of RNAi techniques for Augmenting Broiler Production

**4. ICAR- National Institute of High Security Animal Diseases, Bhopal, Madhya Pradesh (2009-2010)**

**Designation:** Research Scholar

**Subject:** Molecular Characterization of Avian Influenza Viruses

**5. F&ARD- Govt. of Odisha (2007-2008)**

**Designation:** Veterinary Officer

**Subject:** Veterinary Services & Animal Husbandry Extension

**RESEARCH PROJECTS (on-going)**

- 1. Title of the Project:** “*Molecular Expression of Thermostable Glutaminase Free L-Asparaginase Gene from A High Yielding Thermophilic Isolate in E. Coli: A Prospective Recombinant Enzyme For Leukaemia Chemotherapy*” (2018-2022) [**Principal Investigator:** Dr. Sanatan Majhi]

**Funding agency:** Department of Science and Technology, Government of Odisha

- 2. Title of the Project:** “*Development of Lateral flow based Immuno-diagnostics for Brucellosis*” (2019-2022) [**Principal Investigator:** Dr. Sanatan Majhi]

**Funding agency:** Odisha State Higher Education Council, Government of Odisha

- 3. Title of the Project:** “*Development of a Gold Nanoparticle-Based Enhanced Lateral Flow Immunoassay (LFA) for rapid in-field detection of Foot-and-Mouth Disease Virus*” in collaboration with ICAR-International Centre of Foot and Mouth Disease, Directorate of Foot and Mouth Disease, Arugul, Jatani, Bhubaneswar (2022-2025) [**Co-Principal Investigator:** Dr. Sanatan Majhi]

**Funding agency:** Department of Science and Technology, Government of Odisha

**Ph. D. STUDENTS MENTORED (on-going)**

- 1. Rout George Kerry (Utkal University)**

**Thesis Title:** “Evaluation of Bioactive Terpenoid and Flavonoid based silica Nano-particles against Type-II Diabetes and Associated Nephropathies”

(Ph.D. Regd. No: 05-Biotechnology-2017-18)

2. **Sheela Kumari Sahoo** (Utkal University)

**Thesis Title:** “Bioprocess Development, Molecular Characterization and Purification of a Thermostable Protease with Fibrinolytic Potentials”

(Ph.D. Regd: No: 02-Biotechnology-2019-20)

3. **Smruti Malinee Sahoo** (Utkal University)

**Thesis Title:** “Molecular characterization and analysis of In-vitro assays of thermostable glutaminase free recombinant L-asparaginase enzyme: A potential anticancer agent”

(Ph.D. Regd: No: 01-Biotechnology-2021-22)

**M. Phil. STUDENTS MENTORED**

1. **Ankita Nayak (2019):** Thesis Title: Haematobiochemical ELISA and PCR based analysis of Canine virus infection in different Breeds of Dogs”
2. **Monica Mahapatra (2022)** Thesis Title: “A Study on Distribution of Antibiotic Resistance Microbes in Commercial Poultry and their *In vitro* Analysis”

**M.Sc. STUDENTS MENTORED**

1. **Subhashree Das** (2016) - Thesis Title: “Evaluation of T3, T4, and TSH status in goats”
2. **Janmejay Bag** (2017) -Thesis Title: “Evaluation of Haemato-Biochemical, Plasma Mineral Profiles and Various Antibiotic Regimens in Bovine Clinical Mastitis”
3. **Swagatika Parida** (2018) - Thesis Title: “Investigation of Cross Reactivity of Certain Commercially Available Antibodies with Canine Mammary Tumor Proteins through Immuno-histochemistry Technique”
4. **Bibhu Ranjan Khatua** (2018)- Thesis Title: Haemato-Biochemical and Antioxidant Status in Dogs with Mammary Tumor”
5. **Preeti Kumari** (2019) - Thesis Title: “Haematological and molecular analysis of Theileriosis in Domestic zebu cattles of Odisha”
6. **Sonali Mohapatra** (2019) - Thesis Title: “Analysis of Restriction Fragment Length Polymorphism to Differentiate Aspergillus Fungal species from poultry feed samples”
7. **Ranjeeta Paleya** (2019) - Thesis Title: “Polymerase Chain Reaction based Molecular Characterization of Aspergillus from poultry feed”

8. **Swagatika Biswal** [TACT, Bhubaneswar (2019)] - Thesis Title: “Prevalence and Hemato-Pathological Analysis of Fowl Pox in Domestic Poultry Birds of Coastal Districts of Odisha”
9. **Rima Samanta** (2020) - Thesis Title: “Toxicological Effects and Biotransformation of Aflatoxin”
10. **Subhashree Priyadarshini Sahoo** (2020)- Thesis Title: “A Comparative study on Antibiotic Resistance of *Escherichia coli* isolated from Chicken Gut and Natural Water Reservoir”
11. **Madhumati Majhi** (2020) -Thesis Title: “Avian Influenza Viral Disease by H5N1 and H9N2 AIVs: A Comprehensive Study”
12. **Damini Patnaik** (2021) - Thesis Title:“Antioxidant Properties and Redox Regulation, Mediated by Human Gut Microbiota”
13. **Priti Jyotsna Sahoo** (2021) - Thesis Title: “Redox Biology associated with Zoonotic Pathogens in Human”
14. **Ruchismita Naik** (2021) - Thesis Title: “Antibiotic Resistance: A Hidden Hazard in the Environment”
15. **Kiran Kumar Jena** (2021) - Thesis Title: “Role of Symbiotic Microbes in Regulating Oxidative Stress in Animals”
16. **Geetika Singh** (Co-guide, 2022) - Thesis Title: “Analysis of Heavy Metal Induced Oxidative Stress in Horse Gram & its Alleviation using *Rhizobium*”
17. **Abhishek Behera** (2022) -Thesis Title: “A study on bioactive potentials of rutin coated silica nanoparticles in *Drosophila melanogaster*”
18. **Bhikari Katria** (2022) -Thesis Title: Protein biochemical analysis of toxicity caused by lead in intestinal tissue of Zebra fish (*Danio rerio*) and its interaction with *Phyllanthus amarus* methanoloic extract”
19. **Bilasini Hanahaga** (2022) -Thesis Title: “A study on the effects of *Phyllanthus amarus* methanoloic extracts on p-benzoquinone induced toxicity in Zebra fish”
20. **Malay Kumar Bhoi** (2022) -Thesis Title: “Detection of bioactive organic molecules inhibiting ACE-2 receptor binding with SARS-CoV-2 virus using *in silico* analysis”
21. **N. Rajashekar** (2022) -Thesis Title: “Lead induced toxicity in Zebra fish and its amelioration using methanolic extract of *Phyllanthus amarus* : A biochemical study”

22. **Tulesh Kumar Bariha** (2022) -Thesis Title: “A Nucleic acid based study on Zebra fish under heavy metal toxicity and its neutralization using *Phyllanthus amarus* methanolic extract”
23. **D. Nishant Kumar** (2022) -Thesis Title: “An *in silico* and biochemical analysis on the tissue isolates from zebra fish fed with lead and its interaction study with Indian gooseberry extracts”
24. **Nibha Nityojwala** (2022) -Thesis Title: “A study on bioactive potentials of *Phyllanthus amarus* methanolic extract on p-benzoquinone induced toxicity in *Drosophila melanogaster*”
25. **Pooja Gundure** (2022) -Thesis Title: “Physico-biochemical study on the toxicity caused by p-benzoquinone in Zebra fish and its interaction with *Phyallanthus amarus* extract”
26. **Binayak Chanda** (2023) - A Study on Antibiotic Potential of Rutin in High Sucrose Diet Induced Diabetic Fruit Fly (*Drosophila Melanogaster*)
27. **Debalaya Mukherjee** (2023) - Screening, Isolation and Molecular Cloning of Gene Encoding Fibrinolytic Enzyme Produced by *Bacillus subtilis* and *Bacillus thuringiensis*
28. **Priyanil Prusty** (2023) - A Study on Bioactive Potential of Morin, A Pentahydroxyflavone Phytocompound on Diabetes Induced *Drosophila Melanogaster*
29. **Smruti Sworupa Mishra** (2023) - An In-Silico Approach for Integrative Analysis of Immune Biomarkers and Tumor Microenvironment in Low-Grade Glioma.
30. **Somrita Chakraborty** (2023) - Isolation and Characterization of Petroleum Degrading Bacteria from Soil Sample
31. **Lipika Soura** (2023) - Effect of Rutin on Lead Induced Hepatotoxicity in Broiler Chickens
32. **Tatini Digal** (2023) - Synthesis and Characterization of Silver Nanoparticles using *Phyllanthus niruri* Extract.
33. **Krupashree Pradhan** (2023, School of Biotechnology, TACT, Bhubaneswar, affiliated to Utkal University) - An In-silico Study of Antiviral Drugs, Clomiphene and Toremiphene against Ebola Virus Disease
34. **Pranjya Paramita Patra** (2023, School of Biotechnology, TACT, Bhubaneswar, affiliated to Utkal University) - Emetine and its Therapeutic Potentialities against Zika Virus: A Computational Study

## PUBLICATIONS

1. Simmi Tomar, Vishesh Kumar Saxena, Kuldeep Dhama, Sandeep Saran, Mahesh Chandra Kataria and **Sanatan Majhi**. (2012). Immuno-modulation under synbiotic supplementation in coloured broilers. *Indian Journal of Poultry Science*. 47(2): 164-167, ISSN: 0019-5529 (NAAS IF: 5.01)
2. S. S. Kullu, Anshu Rahal, S. K. Pradhan, R. K. Yogi, P. R. Shinde, R. A. Pato, S. Kaushal, S. K. Sinha and **S. Majhi**, R. K. Bauri and S. Kachhawa.(2015). Effect of zinc coated urea supplementation on feed consumption and growth performance in crossbred calves, *Veterinary Practitioner*. 16(2): 301-303, ISSN: 9724036 (NAAS IF: 4.55)
3. **Sanatan Majhi**, Sameer Shrivastava, Sonal, Subas Chandra Jena, Priyanka Sharma and Bishnu Prasad Mishra. (2015). Seroprevalence of Bovine brucellosis in organized and unorganized farms of Odisha, *Indian journal of veterinary medicine*. 35(2): 135-136, ISSN: 0970-051X (NAAS IF: 3.53)
4. Rout George Kerry<sup>a</sup>, Santosh Malik<sup>b</sup>, Yisehak Tsegaye Redda<sup>c</sup>, Sabuj Sahoo<sup>a</sup>, Jayanta Kumar Patra<sup>d</sup>, and **Sanatan Majhi**<sup>a</sup>. (2019). Nano-based approach to combat emerging viral (NIPAH virus) infection. *Nanomedicine: Nanotechnology, Biology and Medicine*, 18, 196– 220, ISSN: 15499634 (Global IF: 6.458)  
DOI: <https://doi.org/10.1016/j.nano.2019.03.004>
5. Swagatika Parida, **Sanatan Majhi\***, Voddu Suresh, Sidhartha Sankar Behera, Debiprasanna Das and Abinash Dutta. (2019). Immunohistochemistry based approach to study cross reactivity of certain commercially available antibodies with mammary tumor cell proteins of dog, *Octa J. Biosci*. 7(2):44-48, ISSN: 2321-3663 (Global IF : 662, NAAS IF: 3.05)
6. Rout George Kerry, Kingsley Eghonghon Ukhurebor, Swati Kumari, Ganesh Kumar Maurya, Sushmita Patra, Bijayananda Panigrahi, **Sanatan Majhi**, Jyoti Ranjan Rout, María del Pilar Rodriguez-Torres, Gitishree Das, Han-Seung Shinj and Jayanta Kumar Patra \*. (2021). A comprehensive review on the applications of nano-biosensor-based approaches for non-communicable and communicable disease detection, *Biomater. Sci.*, 9, 3576-3602, ISSN: 2047-4830 (Global IF : 7.59)  
DOI: 10.1039/d0bm02164d
7. Rout George Kerry., Priyanka Mohapatra., Atala Bihari Jena., Bijayananda Panigrahi., Kahnu Charan Pradhan., Bibhu Ranjan Khatua., Subhasis Mahari., Venkateswarlu Perikala., Bhagaban Kisan., Moses D. Lugos., Anil Kumar Mondru., Sanjeeb K. Sahoo., Dindyal Mandal., Satyanarayan Pal and **Sanatan Majhi**. (2022). Biosynthesis of Rutin trihydrate loaded silica nanoparticles and investigation of its antioxidant, antidiabetic and cytotoxic potentials, *Journal of Inorganic and Organometallic Polymers and Materials* (2022) 32:2065–2081. ISSN: 1574-1451(Global IF: 3.543)  
DOI: <https://doi.org/10.1007/s10904-022-02269-1>.

8. Bishnu Charan Majhi, Ramesh Kanbargi, Rout George Kerry and **Sanatan Majhi\***. (2022). A cross sectional study to identify factors determining low birth weight babies observed in a tribal district of Odisha, India, *GSC Biological and Pharmaceutical Sciences*, 20(01), 227–240, ISSN: 2581-3250 (Cosmos IF : 4.25)  
DOI: <https://doi.org/10.30574/gscbps.2022.20.1.0292>
  
9. Rout George Kerry., Francis Jesmar Perez Montalbo., Rajeswari Das., Sushmita Patra., Gyana Prakash Mahapatra., Ganesh Kumar Maurya., Vinayak Nayak., Atala Bihari Jena., Kingsley Eghonghon Ukhurebor., Ram Chandra Jena., Sushanto Gouda., **Sanatan Majhi\*** and Jyoti Ranjan Rout (2022). An overview of remote monitoring methods in biodiversity conservation. *Environmental Science and Pollution Research*, 1-43. ISSN: 1614-7499 (Global IF : 4.22)  
DOI: <https://doi.org/10.1007/s11356-022-23242-y>
  
10. Rout George Kerry, Kshitij RB Singh, Subhasis Mahari, Atala Bihari Jena, Bijayananda Panigrahi, Kahnu Charan Pradhan, Satyanarayan Pal, Bhagaban Kisan, Jagneshwar Dandapat, Jay Singh, Shyam S. Pandey, Ravindra Pratap Singh and **Sanatan Majhi\***, (2023), Bioactive potential of morin loaded mesoporous silica nanoparticles: A noble and efficient antioxidant, antidiabetic and biocompatible abilities in in-silico, in-vitro, and in-vivo models, *OpenNano*, 10, 100126 (Global IF: 0.932).  
DOI: <https://doi.org/10.1016/j.onano.2023.100126>
  
11. Abhishek Behera, Soumya Ranjan Mahapatra, **Sanatan Majhi**, Namrata Misra, Rohit Sharma, Jay Singh, Ravindra Pratap Singh, Shyam S. Pandey, Kshitij RB. Singh and Rout George Kerry, (2023), Gold nanoparticle assisted colorimetric biosensors for rapid polyethylene terephthalate (PET) sensing for sustainable environment to monitor microplastics, *Environmental Research*, 116556. (Global IF: 8.431)  
DOI: <https://doi.org/10.1016/j.envres.2023.116556>
  
12. Vinayak Nayak., Sushmita Patra., Kshitij RB Singh., Bristy Ganguly., Das Nishant Kumar., Deepak Panda., Ganesh Kumar Maurya., Jay Singh., **Sanatan Majhi.**, Rohit Sharma., Shyam S. Pandey and Rout George Kerry, (2023), Advancement in precision diagnosis and therapeutic for Triple-Negative Breast Cancer: Harnessing diagnostic potential of CRISPR-Cas & engineered CAR T-cells mediated therapeutics, *Environmental Research*, 235 (2023)116573.(Global IF: 8.431)  
DOI: <https://doi.org/10.1016/j.envres.2023.116573>
  
13. Poonam Das, Sabuj Sahoo, **Sanatan Majhi\***, Rout George Kerry, Anup Kumar Singh, Atala Jena\*, 2023, Inhibitory Potential of Chitosan Derivatives against Severe Acute Respiratory Syndrome Coronavirus 2: An In Silico Prospective, *INNOSC Theragnostics and Pharmacological Sciences*, 5(2) 32-44.  
DOI: [doi:10.20944/preprints202206.0099.v1](https://doi.org/10.20944/preprints202206.0099.v1)

**Gene Bank data published in NCBI with their accession numbers (www.ncbi.nlm.nih.gov)**



**Authors: Majhi, S.,** Nagarajan, S., Tosh, C., Murugkar, H.V., Behera, P. and Dubey, S. C. 2014, *Molecular Characterization of H9N2 Avian Influenza Viruses Isolated from West Bengal in 2008*, [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)

1. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 8 nuclear export protein (NEP) and nonstructural protein 1 (NS1) genes, complete cds  
NCBI GenBank Accession Number: KM519977.1
2. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 7 of matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds  
NCBI GenBank Accession Number: KM519976.1
3. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 6 of neuraminidase (NA) gene, complete cds  
NCBI GenBank Accession Number: KM519975
4. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 6 of neuraminidase (NA) gene, complete cds  
NCBI GenBank Accession Number: KM519975.1
5. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 4 of hemagglutinin (HA) gene, complete cds  
NCBI GenBank Accession Number: KM519973.1
6. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 3 of polymerase PA (PA) and PA-X protein (PA-X) genes, complete cds  
NCBI GenBank Accession Number: KM519972.1
7. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 2 of polymerase PB1 (PB1) and PB1-F2 protein (PB1-F2) genes, complete cds  
NCBI GenBank Accession Number: KM519971.1
8. Influenza A virus (A/chicken/India/82565/2008(H9N2)) Segment 1 of polymerase PB2 (PB2) gene, complete cds  
NCBI GenBank Accession Number: KM519970.1
9. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 8 of nuclear export protein (NEP) and nonstructural protein 1 (NS1) genes, complete cds  
NCBI GenBank Accession Number: KM519969.1
10. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 7 of matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds  
NCBI GenBank Accession Number: KM519968.1
11. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 6 neuraminidase (NA) gene, complete cds

NCBI GenBank Accession Number: KM519967.1

12. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 5 of nucleocapsid protein (NP) gene, complete cds  
NCBI GenBank Accession Number: KM519966.1
13. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 4 of hemagglutinin (HA) gene, complete cds  
NCBI GenBank Accession Number: KM519965.1
14. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 3 of polymerase PA (PA) and PA-X protein (PA-X) genes, complete cds  
NCBI GenBank Accession Number: KM519964.1
15. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 2 of polymerase PB1 (PB1) and PB1-F2 protein (PB1-F2) genes, complete cds  
NCBI GenBank Accession Number: KM519963.1
16. Influenza A virus (A/chicken/India/80998/2008(H9N2)) Segment 1 of polymerase PB2 (PB2) gene, complete cds  
NCBI GenBank Accession Number: KM519962.1

**Authors:** Mahapatra, M., **Majhi, S.** and Sahoo, S. K. 2022.

17. *Klebsiella pneumoniae* strain MM-1 16S ribosomal RNA gene, partial sequence, direct Submission, [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)  
NCBI GenBank Accession Number: ON764806.1

### **Conference Publications/ Abstracts**

1. S. Tomar, V.K. Saxena, K. Dhama, **S. Majhi** and R.P. Singh. “*Effects of Symbiotic Feeding on Broiler Performance and Immune Response*” in the International symposium of Indian Poultry Science Association, IPSACON, 2011, during 22<sup>nd</sup>-24<sup>th</sup>, December, 2011
2. **S. Majhi\***, S. Nagarajan, G. Venkatesh, P. Behera and C. Tosh. “*Study on Molecular and Phylogenetic characters of HA gene of H9N2 with respect to their Co-circulation with H5N1 Avian Influenza Viruses isolated from West Bengal in 2008*” in the proceedings of XXX Conference & National Symposium of Indian Poultry Science Association conducted by Indian Poultry Science Association and Central Avian Research Institute, Izatnagar-243122 (UP) India, during 22<sup>nd</sup>-23<sup>rd</sup>, November, 2013.
3. **S. Majhi\***, S. Nagarajan, G. Venkatesh, P. Behera and C. Tosh. “*Study on Molecular and Phylogenetic characters of Polymerase genes (PA, PB1 and PB2) of H9N2 Avian Influenza Viruses isolated from West Bengal in 2008*” in the proceedings of XXXI

Annual Conference of Indian Poultry Science Association (IPSAACON-2014) and National Symposium on “Poultry production for global trade” organized by Veterinary College and Research Institute, Namakkal, Tamil Nadu Veterinary and Animal Sciences University, during 16<sup>th</sup>-18<sup>th</sup> October, 2014.

4. **Sanatan Majhi\***, Sameer Shrivastava, Pallab Chaudhari and Bishnu Prashad Mishra, “*Development of ELISA based immuno-assay using recombinant p17 and OMP-28 proteins for diagnosis of Brucellosis in cattles*” in the 20th Odisha Bigyan 'O' Paribesh Congress (OBPC) organized in NISER, Jatni, Bhubaneswar, on 17<sup>th</sup>-18<sup>th</sup> November, 2018
5. **Sanatan Majhi\*** and Janmejy Bag<sup>b</sup>. “*The Impact of Livestock on Climate Change*” in the proceedings of International Conference on Bioprocess for Sustainable Environment and Energy (ICBSEE), India, organized by NIT, Rourkela, during 6<sup>th</sup>-7<sup>th</sup> December, 2018.
6. Ankita Nayak and **Sanatan Majhi\*** “*The Impact of Livestock on Climate Change*” in the World Bank-Odisha Higher Education Programme for Excellence and Equity (WB-OHEPEE) sponsored National Seminar-cum-Workshop on “Proteomics in Public Health” organized by Department of Biotechnology, Utkal University, on 15<sup>th</sup>-16<sup>th</sup> March, 2019.
7. **Sanatan Majhi**, Sameer Shrivastava, Pallab Chaudhari and Bishnu Prashad Mishra, presented paper on the topic “*A study on ELISA based immunoassay using recombinant p17 and OMP 28 proteins for serodiagnosis of Brucellosis*” in the 3<sup>rd</sup> International Conference, SciCon Series on In Sync-With Next Generation Biosciences (SciCon INGB) – 2019, Goa, India, on 6<sup>th</sup>-8<sup>th</sup> November, 2019.
8. **Sanatan Majhi** and Janmejy Bag. “*Biosensor for detection of hazardous pollutants in environment*” in the proceedings of International Conference on Bioprocess for Sustainable Environment and Energy ICBSEE-INDIA-2020, organized by NIT Rourkela, Odisha, 5<sup>th</sup> -7<sup>th</sup> March, 2020.
9. Rima Samanta, Madhumanti Majhi, Subhshree Priyadarshinee Sahoo and **Sanatan Majhi\***, “*Biodiversity: Driving Future Pandemics*” in proceedings of Odisha Environment Congress-2020, during 20<sup>th</sup> - 22<sup>nd</sup> December, 2020.
10. **Sanatan Majhi\***. *Development of Lateral Flow based Immjno-diagnostic for Brucellosis*” in the Odisha Research Conclave, organised under OURIIP, OSHEC, Govt. of Odisha, conducted at Utkal University, Bhubaneswar on 13<sup>th</sup>-14<sup>th</sup> November, 2021.
11. Smruti Malinee Sahoo, and **Sanatan Majhi\*** “*Nullifying Hypersensitivity of L-Asparaginase in Cancer Treatment*” in the National Seminar on “Overcoming the Challenges: Role of Science & Technology” conducted during 22<sup>nd</sup> Odisha Bigyan 'O' Paribesh Congress, organized by Orissa Environmental Society Ravenshaw University, Cuttack on 20<sup>th</sup> -21<sup>st</sup> November, 2021

12. Sheela Kumari Sahoo, & **Sanatan Majhi**\* “*Screening, Bioprocess Development and Partial Purification of Thermostable Fibrinolytic Enzyme From Bacillus Sp* in the National Seminar on “Overcoming the Challenges: Role of Science & Technology” conducted during 22<sup>nd</sup> Odisha Bigyan 'O' Paribesh Congress, organized by Orissa Environmental Society Ravenshaw University, Cuttack on 20<sup>th</sup> -21<sup>st</sup> November, 2021.
13. **Sanatan Majhi**<sup>1\*</sup>, Swagatika Parida<sup>2</sup>, (Abstract Reference Number: NBC22/O/2208). A *Immunohistochemistry based diagnostic approach to investigate the cross reactivity of canine (dog) mammary tumor Ki67 protein with commercial antibody used for human breast cancer detection*, selected for oral presentation at National Bioengineering Conference, 2022, organized at NIT, Rourkela on 6<sup>th</sup>-7<sup>th</sup> January, 2022.
14. Smruti Malinee Sahoo and **Sanatan Majhi**, “*Recombinant L-Asparaginase in Cancer Treatment*” in the proceedings of International Conference on Recent Trends in Biotechnology-2022, conducted by Centurion University of Technology and Management (CUTM), Bhubaneswar on 21<sup>st</sup>-22<sup>nd</sup> June, 2022.
15. Sheela Kumari Sahoo and **Sanatan Majhi**\*, “*Optimization of process parameters, partial purification, and characterization of extracellular fibrinolytic protease from Bacillus subtilis*” in the proceedings of International Conference on Recent Trends in Biotechnology-2022, conducted by Centurion University of Technology and Management (CUTM), Bhubaneswar on 21<sup>st</sup>-22<sup>nd</sup> June, 2022.
16. Monica Mahapatra and **Sanatan Majhi**, “*Polyelectrolyte Complex Biomaterials for Antibacterial Resistant Klebsiella pneumonia strain MM-1*” (Poster presentation) in the International Conference on Frontiers in Materials for Technological Applications (FIMTA-2022) organized by CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar on 3<sup>rd</sup>-5<sup>th</sup> August, 2022
17. **Sanatan Majhi**\* and Shanmugasundaram Nagarajan, Oral presentation and abstract on “*Molecular Characterization of H9N2 Avian Influenza Viruses Isolated from West Bengal*” in the proceedings of National Conference on Native Chicken (NCNC-2022) on the thematic area of “*Relevance of Climate Smart Traditional Farming Systems in the Era of Omics*” P-199, held at Madras Veterinary College, Chennai, Tamil Nadu during 22<sup>nd</sup> & 23<sup>rd</sup> September, 2022
18. Monika Mahapatra, **Sanatan Majhi**\*, Sheela Kumari Sahoo, Smrutimalinee Sahoo and Rout George Kerry, Oral presentation and abstract on “*A Study on Distribution of Antibiotic Resistance Bacteria in Commercial Poultry and their In-Vitro Analysis*” in the proceedings of National Conference on Native Chicken (NCNC-2022) on the thematic area of “*Relevance of Climate Smart Traditional Farming Systems in the Era of Omics*” P-225, held at Madras Veterinary College, Chennai, Tamil Nadu, during 22<sup>nd</sup> & 23<sup>rd</sup> September, 2022
19. Malaya Kumar Bhoi, Rout George Kerry, Samapika Sahoo and **Sanatan Majhi**\*, *Detection of bioactive organic molecules inhibiting ACE-2 receptor binding with SARS-*

*CoV-2 virus using in silico analysis* (poster presentation) in the 27<sup>th</sup> Annual Convention and National Conference on “Immunological and Biotechnological Strategies for sustainable livelihood” organized by the College of Veterinary Science & Animal Husbandry, Jabalpur, Madhya Pradesh in collaboration with the “Association of Indian Society of Veterinary Immunology & Biotechnology” (VIBCON-2022) during 11<sup>th</sup>-12<sup>th</sup> October, 2022.

20. Sheela Kumari Sahoo, **Sanatan Majhi\***, Smruti Malinee Sahoo, Poonam Das and Rout George Kerry, “*Molecular characterization of extracellular fibrinolytic protease from Bacillus subtilis*” in the compendium of Odisha Research Conclave, organized at Ravenshaw University, Cuttack, in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup>, November, 2022.
21. Rout George Kerry, Subhasis Mahari, Kshitij RB Singh, Atala Bihari Jena, Bijayananda Panigrahi, Kahnu Charan Pradhan, Satyanarayan Pal, Bhagaban Kisan, Jagneshwar Dandapat, Jay Singh\* and **Sanatan Majhi\*** “*Biosynthesis of Morin-loaded mesoporous silica nanoparticles and analysis of their bioactive potentials in in silico, in vitro, and in vivo models*” in the compendium of Odisha Research Conclave organized at Ravenshaw University, Cuttack in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup>, November, 2022.
22. Sahoo. S, Kerry R. G and **Majhi. S\***, “*Designing of a synthetic peptide for efficient detection of Brucella antigen*” in the compendium of Odisha Research Conclave organized at Ravenshaw University, Cuttack in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup>, November, 2022.
23. Smruti Malinee Sahoo\*, Sheela Kumara Sahoo, Poonam Das and **Sanatan Majhi**, “*Biochemical analysis of native L-Asparaginase isolated from Enterobacter cloacae: a potential anti-cancer agent*” in the compendium of Odisha Research Conclave organized at Ravenshaw University, Cuttack in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup>, November, 2022.
24. **Sanatan Majhi\***, Samapika Sahoo & Rout George Kerry, “*Diagnostic potential analysis of recombinant and synthetic peptides derived from p17 and OMP 28 proteins of Brucella in animals*” in the IDP-OHEPEE Sponsored International Conference (B&B-2022) Organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha, on 8<sup>th</sup> – 9<sup>th</sup> December, 2022.
25. Rout George Kerry, Subhasis Mahari, Kshitij RB Singh, Atala Bihari Jena, Bijayananda Panigrahi, Kahnu Charan Pradhan, Satyanarayan Pal, Bhagaban Kisan, Jagneshwar Dandapat, Jay Singh\* and **Sanatan Majhi\*** “*Biosynthesis of Morin-loaded mesoporous silica nanoparticles and analysis of their bioactive potentials in in silico, in vitro, and in vivo models*” in the IDP-OHEPEE Sponsored International Conference (B&B-2022) Organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha, on 8<sup>th</sup>-9<sup>th</sup> December, 2022.

26. Rout George Kerry, Hemangini Naik, Soumya Ranjan Mohapatra, Saumya Ranjan, Namrata Mishra, **Sanatan Majhi** and Jayanta Patra, on the title “*In-silico exploration of the therapeutic potential of phyto compound mediated PLA2G1B inhibition in Type 2 Diabetes: A transcriptomics and proteomics approach*” in the National Seminar on “Ecological Sustainability and Natural Product Development (ESNPD)-2023” Organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha, on 14<sup>th</sup>–15<sup>th</sup> July, 2023.

### **MEMBER OF JOURNAL EDITORIAL BOARD**

1. Editorial Reviewer & Board Member of the journal “*Science Frontier*” Science Publishing Group, USA.
2. Editorial Reviewer and Member of the journal “*Annals of Applied Sciences*” ISSN: 2835-6896, an open access peer reviewed journal published by Mediterranean Journals.
3. Editorial Review Board Member of Scientific and Technical Committee of “*World Academy of Science, Engineering and Technology (WASET)*”
4. Editorial Board Member (Assistant) of “*Prani Bikas Dhara*”
5. Editorial Board Member in *VIT Press-International Journal of Animal Science (VITP-IJAS)*; ID: VITP0301; <http://www.vitpress.com/journals/VITP-IJAS>.
6. Editorial Board Member in *VIT Press-International Journal of Biotechnology Research (VITP-IJBTR)*, ID: VITP0303 ; <http://www.vitpress.com/journals/VITP-IJBTR>
7. Editorial Board Member in *VIT Press-International Journal of Veterinary Science (VITP-IJVS)*, ID: VITP0300 ; <http://www.vitpress.com/journals/VITP-IJVS>
8. Editorial Board Member in *VIT Press-International Journal of Microbiology Research (VITP-IJMBR)*, ID: VITP0302; <http://www.vitpress.com/journals/VITP-IJMBR>
9. Editorial Board Member of the journal “*World Journal of Experimental Medicine (WJEM)*” (ID: 05698836), ISSN: 2220-315x, published by Baishideng Publishing Group, USA.
10. Associate Member in the “*International Society for Development and Sustainability (ISDS)*”, registered with Japanese Government
11. Topic Coordinator in the Journal “*Frontiers in Medical Technology*”, ISSN 2673-3129
12. Associate Editor of the Journal “*Annals of Physiotherapy & Occupational Therapy (APhOT)*” MedWin Publishers, ISSN: 2640-2734, IF: 1.4259

13. The Editorial Board Member in the “*International Journal of Chemical and Petroleum Engineering*”

**PROFESSIONAL COURSES / WORKSHOPS / TRAININGS ATTENDED**

1. Orientation Workshop on “*Volunteers in Veterinary/Agriculture Assistance (VIVA)*” under COI-HPI Livelihood programme through small livestock, organized by COI-HPI, USA, at Bhubaneswar on 6<sup>th</sup> May, 2005.
2. Training course on “*Livestock Diseases & its Control under ASCAD*” at Veterinary Officers Training Institute (VOTI) during 4<sup>th</sup>-8<sup>th</sup> February, 2008.
3. Training/Workshop conducted by “*Agropedia (NAIP Project)*” at ICAR-IVRI, Izatnagar, Bareilly on 18<sup>th</sup> September, 2013.
4. DBT-BBSRC funded Indo-UK Project workshop on “*Development of Multiplex Diagnostic Biosensor for Infectious Reproductive Diseases of Cattle and Buffaloes*” held in the Division of Bacteriology and Mycology, ICAR-Indian Veterinary Research Institute during 1<sup>st</sup>-2<sup>nd</sup> December, 2014
5. Training programme for 1 day on ICT, organized by Department of Computer Science, Utkal University during 2015.
6. Faculty Development Training Programme on “*Teaching Skill Development*” for one week Short Term Course, conducted by UGC-HRDC, Academic Staff College, Utkal University during 20<sup>th</sup>-25<sup>th</sup> March, 2015.
7. Workshop on “*Microtomy/ Ultra-microtomy, Staining and Imaging Techniques*” Organized by Institute of Life Sciences, Nalco Square, Bhubaneswar, during 12<sup>th</sup> -13<sup>th</sup> April, 2018.
8. Faculty orientation programme conducted by UGC-HRDC, Utkal University during 3<sup>rd</sup> – 30<sup>th</sup> August, 2018.
9. Workshop on “*Advances in Biotechniques*” conducted by P.G. Department of Biotechnology, Utkal University, on 8<sup>th</sup>, December, 2018.
10. Refreshers course conducted by UGC-HRDC, Utkal University in the subject “*Biotechnology and Bio-sciences*” during 25<sup>th</sup> January - 7<sup>th</sup> February 2020.
11. Training in “*Management of Respiratory Failure in COVID-19*” organized Academy for Clinical Training on 30<sup>th</sup> April, 2020
12. Attended “*Science Leadership Workshop*” conducted by the Central University of Punjab Bhatinda, on 22<sup>nd</sup> -28<sup>th</sup> June, 2020.

13. AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme (FDP) on "*Strategies in Modern Pedagogies*" at National Institute of Technology (NIT), Sikkim from 16/02/2021 to 20/02/2021.
14. AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme (FDP) on "*Research Trends in Separation & Purification Techniques*" at National Institute of Technology (NIT), Raipur, from 13/09/2021 to 17/09/2021.
15. National Workshop on "*Research & Development*" organized by Parul Institute of Design (PID) & Parul Institute of Fine Arts (PIFA), Parul University, Vadodara, Gujarat & Centre for Research & Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu from 21<sup>st</sup>-23<sup>rd</sup> October, 2021
16. AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme (FDP) on "*Development and applications of Sensors in Modern life*" at National Institute of Technology (NIT), Arunachal Pradesh, from 25/10/2021 to 29/10/2021.
17. International Workshop on "*Dare to dream-Women in Tech*" jointly organized by Women Entrepreneurship Day Organization (WEDO) and Mizoram University, India, held on 14<sup>th</sup> October, 2021
18. AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme (FDP) on "*Lab on chip and affordable diagnostics (under 'Lab on chip' thrust)*" at Indian Institute of Technology (IIT), Kharagpur, West Bengal, from 01/11/2021 to 05/11/2021.
19. AICTE-ISTE approved Orientation/Refreshers programme on "*Role of Biotechnology in Mitigation of Pollution and Restoration of Environment*", organized by the School of Engineering and Technology, GIET University, Gunupur, Odisha, held during 11.1.2022 -17.1.2022.
20. Short term Training Programme on "*Modeling and Optimization Techniques in Engineering*" organized by IEC College of Technology, Bhopal, from 27<sup>th</sup>-29<sup>th</sup> January, 2022.
21. High-end workshop on "*Next Generation Medical Devices: focusing on therapeutics and diagnostics-Series I*", held at the Department of Biotechnology and Medical Engineering, National Institute of Technology, Rourkela under the Accelerate Vigyan Scheme, sponsored by SERB, from 7<sup>th</sup>-11<sup>th</sup> February 2022.
22. State Level Online Workshop on the topic "*The Use of ICT enabled tools for Teaching, Learning and Evaluation in Higher Education Institutions*" Sponsored by National Assessment and Accreditation Council (NAAC ) and Organized by Internal Quality Assurance Cell (IQAC), Durgapur Government College on 7<sup>th</sup>-8<sup>th</sup> May, 2022.



23. Training program/ IP Awareness under National Intellectual Property Awareness Mission, conducted by Intellectual Property Office, Govt. of India on 25<sup>th</sup> May, 2022.
24. Faculty Development Programme on “*Recent Trends in Cyber Security and Blockchain Technology*” conducted by Oriental Institute of Science & Technology, Bhopal on 28<sup>th</sup> June-2<sup>nd</sup> July, 2022
25. National Faculty Development Programme on “*Research Insights & Publication Strategies*” organized by Centre for Research & Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu on 22<sup>th</sup>–24<sup>th</sup> July, 2022.
26. Faculty Development Programme on “*21<sup>st</sup> Century Skills for Teaching & Learning (CSTL-2022)*” organized by the Department of Computer Science and Engineering of GMR Institute of Technology from 16<sup>th</sup>-20<sup>th</sup> August, 2022.
27. National Conclave on “*Innovation, IP Commercialization and Technology Transfer*” organized by National Research Development Corporation (NRDC) in CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar on 29<sup>th</sup> August, 2022
28. One week Faculty Development Program on “*Amazon Web Services*” Organized by the Department of CSE, GMR Institute of Technology, Rajam in collaboration with Brainovision Solutions India Pvt. Ltd, CSI & All India Council for Technical Education (AICTE), during 22<sup>nd</sup>-27<sup>th</sup> August, 2022
29. Participated and presented Poster entitled “*Evaluation of diagnostic potentials of recombinant and synthetic peptides derived from p17 and OMP 28 proteins of Brucella in animals*” in the Odisha Research Conclave organized at Ravenshaw University, Cuttack in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup> November, 2022.
30. Faculty Development Programme (FDP) conducted by AICTE-Training and Learning (ATAL) Academy on “*Bio-Fuels and Its Application in I C Engines*” from 14-11-2022 to 25-11-2022 at Gandhi Institute For Technology (GIFT), Bhubaneswar.
31. Participated in the “*Hands-on workshop for the school teachers and students of aspirational districts of Odisha on use of Foldscope (paper microscope)*” organized by DBT, Govt. of India in association with Biotech Consortium India Limited (BCIL), New Delhi and Utkal University, Bhubaneswar at Dhenkanal Autonomous College, Odisha on 6<sup>th</sup> April, 2023.
27. Three-Day National Faculty Development Programme (FDP) on “*Research Writing and Publication Process*”, organized by Centre for Research & Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu on 23<sup>rd</sup> –25<sup>th</sup> June, 2023.

28. Professional Development Workshop on “Digital Creativity Skills” as a part of adobe academics essentials program conducted in collaboration with AICTE on 24th May, 2023.

### **SEMINARS / SYMPOSIUMS / CONFERENCES ATTENDED**

1. International conference on “*Recent Trends in Climate Change Researches vis-a-vis Biodiversity*” under the “Centre of Excellence” Govt. of Uttar Pradesh, in collaboration with the Indian Academy of Environmental Sciences, conducted by MJP Rohilkhand University, Bareilly, Uttar Pradesh, during 3<sup>rd</sup>- 4<sup>th</sup>, December, 2012.
2. National Symposium on “*Emerging trends in Biotechnology Research for Sustainable Animal Health and Productivity*” organized during XIX Annual convention of Indian Society for Veterinary Immunology and Biotechnology (ISVIB) during 8<sup>th</sup>-10<sup>th</sup>, April, 2013.
3. XII Agricultural Science Congress-2015 organized by ICAR-National Dairy Research Institute, Karnal, during 3<sup>rd</sup>-6<sup>th</sup>, February, 2015 (Presented Poster).
4. National Seminar and Annual Convention organized by the Society for Veterinary Sciences and Biotechnology (SVSBT) on the topic “*Opportunities and Challenges of Translational Research in the Frontier areas of Animal Biotechnology*” and presented poster on the title “*Proteomics and Genomics in Animal Biotechnology*” conducted in CVS&AH, OUAT, Bhubaneswar during 22<sup>nd</sup>-23<sup>rd</sup>, September, 2017.
5. National Seminar on “*Emerging trends in Biotechnology and Crop Improvements*” organized by Rama Devi Women’s University, Bhubaneswar during 21<sup>st</sup>-22<sup>nd</sup> November, 2017.
6. National seminar on “*Recent Trends in Microbiology and Biotechnology(RTMB-2018)*”, Conducted by MITS School of Biotechnology & Society of Biotechnology and Bioinformatics, Bhubaneswar, Odisha, during 16<sup>th</sup>-17<sup>th</sup>, March, 2018.
7. Indian Science Congress Association (InSC-106<sup>th</sup> Annual Meeting) held at Lovely Professional University, Jalandhar, Punjab on 3<sup>rd</sup> - 7<sup>th</sup> January, 2019 and InSC-107<sup>th</sup> Annual Meeting, held at University of Agricultural Sciences, GKVK, Bangalore, Karnataka on 3<sup>rd</sup> - 7<sup>th</sup> January, 2020
8. 19th Annual Convocation-cum-Scientific Convention (virtual mode) organized by National Academy of Veterinary Sciences (NAVS) on “*Transforming Livestock Health and Production with Innovative Technologies and Policy Reforms to Boost Farmers Income*” during 24<sup>th</sup>-25<sup>th</sup>, September, 2021.
9. 3<sup>rd</sup> Indo Oncology Summit, organized by International Association Oncology (IAO) and Presented oral presentation on the Topic “*Biotechnological Intervention in Cancer Therapeutics: Current Status and Future Prospective*”; Presented Poster on the Topic”

*"Regenerative Medicines for Cancer Therapy"* held on 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> September, 2021

10. 6<sup>th</sup> BMJ E-Conclave 2021 on *"A True Partnership between Clinicians, Librarians and BMJ to create a Healthier World"* on 28<sup>th</sup> October, 2021.
11. Participated and presented Poster entitled *"Development of Lateral Flow based Immuno-diagnostic for Brucellosis"* in the Odisha Research Conclave, organised under OURIIP, OSHEC, Govt. of Odisha, conducted at Utkal University, Bhubaneswar on 13<sup>th</sup>-14<sup>th</sup> November, 2021.
12. International e-conference on *"An Integrated Approach to Prevent Rabies in Animals and Humans: The Best possible one health strategy"* organized by the Department of Veterinary Preventive Medicine, Madras Veterinary College, TANUVAS, Chennai, on 28.09.2021 and 29.09.2021.
13. Conference on *"Classical Theatre; Influences and Adaptations"* organized by the Department of English in association with the IQAC, St. Aloysius College, Edathua from 9<sup>th</sup>-11<sup>th</sup> November, 2021.
14. International Conference on *"Contemporary Researches in Engineering, Science, Management & Arts"* (ICCRE SMA-2022) created & powered by Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India on 27<sup>th</sup> -29<sup>th</sup> January, 2022.
15. International Conference on *"Depleting Natural Resources, Environmental Crisis and Remedies in Janbhani Philosophy"* organized by Guru Jambheshwar Environment Conservation Research Chair, Jai Narain Vyas University in Collaboration with Jambhani Sahitya Academy, Bikaner, Rajasthan on 5<sup>th</sup>-6<sup>th</sup> June 2022.
16. Participated and presented Poster entitled *"Evaluation of diagnostic potentials of recombinant and synthetic peptides derived from p17 and OMP 28 proteins of Brucella in animals"* in the Odisha Research Conclave organized at Ravenshaw University, Cuttack in association with OURIIP, OSHEC, Govt. of Odisha, on 14<sup>th</sup> to 16<sup>th</sup> November, 2022.
17. Participated and presented Poster entitled *"Diagnostic potential analysis of recombinant and synthetic peptides derived from p17 and OMP 28 proteins of Brucella in animals"* in the IDP-OHEPEE Sponsored International Conference (B&B-2022) Organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha, on 8<sup>th</sup> – 9<sup>th</sup> December, 2022.
18. ICFAI International conference on Environmental Law on the theme *"Law of Nature v Laws of Nature"* organized by Centre for Environmental Law, Policy Education and Development, ICFAI Law school, The ICFAI University, Dehradun on 28<sup>th</sup> and 29<sup>th</sup> April, 2023.

19. International Conference on “*Janbhani's Eco-Philosophy for Environmental Challenges and Biodiversity Conservation*” organized by Guru Jambheshwar Environment Conservation Research Chair, Jai Narayan Vyas University, Jodhpur (Rajasthan) on 5<sup>th</sup>-6<sup>th</sup> June, 2023.
20. National Seminar entitled “Ecological Sustainability and Natural Product Development (ESNPD)-2023” Organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha, on 14<sup>th</sup> – 15<sup>th</sup> July, 2023.
21. International Seminar on “Green Skills for Youth: Towards a Sustainable World” on the occasion of UN/ UNESCO International Youth Day-2023 jointly organized by International Council for Education Research and Training (ICERT), Thrissur, Kerala, Jan Vikash Shakti Foundation, New Delhi and PGDAV College, University of Delhi, on 12<sup>th</sup> August, 2023.

## **WEBINARS ATTENDED**

### **International Webinars**

1. International Webinar on “*Canine Sports Medicine and Rehabilitation*” by Dr. Darryl Millis, organized by Krantisingh Nana Patil College of Veterinary Science, MAFSU, Maharashtra, on 23-24<sup>th</sup> July, 2020
2. International Webinar on "*Strategies for Securing Digital Content*" organized by Rungta College of Engineering and Technology, Bhilai, Madhya Pradesh, on 25<sup>th</sup> July, 2020
3. International webinar on “*Porosome: The Secretory Nanomachine in Cells*” organized by P.G. Department of Zoology, Utkal University and Zoological Society of Odisha, on 27<sup>th</sup> August 2020.
4. International Webinar on “*Protection of Right to Life & Right to Livelihood during Covid-19 Pandemic*” organized by ICFAI Law School, the ICFAI University, Dehradun on 31<sup>st</sup> August, 2020.
5. International Webinar on “*Veda for World Peace*” organized by Shri G. S. Institute of Technology and Science, Indore, Madhya Pradesh on 11<sup>th</sup> October, 2020.
6. International Special Guest Lecture on “*Environmental Justice: A Call For Mediation*” by Prof. (Dr.) Kenneth Frank, Professor and Director, Conflict Resolution and Legal Studies, Brenau University, organized by ICFAI Law School, ICFAI University, Dehradun in collaboration with Brenau University, Georgia on 19<sup>th</sup> October, 2021.

7. International Webinar on “*Multi-omics approaches in sustainable Health and Agriculture*” organized by Centre of Excellence in Integrated Omics and Computational Biology (CoE-IOCB), Utkal University on 21<sup>st</sup> December, 2021.
8. International Webinar on the Topic “*International World Cancer Day*” organized by International Association Oncology (IAO) on 4<sup>th</sup> February, 2022.
9. International Webinar on the Topic “*Cancer Awareness on World Cancer Day*” organized by International Association Oncology (IAO) and Indian Dental Association (IDA) on 4<sup>th</sup> February, 2022.
10. International Webinar on the Topic “*International Childhood Cancer Day*” organized by International Association Oncology (IAO) and R.V. College of Nursing (RVCN), Bangalore on 15<sup>th</sup> February, 2022
11. Certificate of completion awarded for participation & completion of the online session consisting of 3 Webinars by Dr. Sterenn Genewe, organised by Oriheal Life sciences Pvt. Ltd. on 5<sup>th</sup>, 12<sup>th</sup> & 19<sup>th</sup> February 2022.
12. International Webinar on “*Innovations in Materials Processing: Importance of Ceramic Shell Moulds for Investment Casting of Gas Turbines Components*” conducted by Bharat Institute Of Engineering and Technology (BIET), Centre for Research in Education and Social Integration Human Resources Development (CRESIHRD) and Indian Ceramics Society (ICERS), Hyderabad Chapter on 20<sup>th</sup> August, 2022
13. Participated in Five Day International Webinar on “*Current Trends and Future Advances in Chemical Sciences & Life Sciences*” jointly organized by the Department of Chemistry and Botany, JMJ College for Women (Autonomous), Tenali, Andhra Pradesh from 13-12-2022 to 17-12-2022

### **National Webinars**

1. National Webinar on “*Impact of Lockdown on Biodiversity*” Organized by Sido Kanhu Murmu University, Dumka, Jharkhand on 05<sup>th</sup> June, 2020.
2. National webinar on “*Ecological Awareness in Sanskrit Literature*” organized by P.G. Department of Sanskrit, Utkal University, Vani Vihar, Bhubaneswar (Presented Paper entitled “*Biosciences in Ancient Era*”) on 08<sup>th</sup> June, 2020.
3. National Webinar on “*Innovative on-Line Pedagogies–Teaching 2.0*” organized by Enterocon on 19<sup>th</sup> July, 2020
4. National Webinar on “*Animal Production Medicine in Anthropocene Epoch*” organized by Veterinary Internal and Preventive Medicine Society with knowledge partner INTAS Animal Health on 13<sup>th</sup> August, 2020.

5. National Webinar on “*Recent Trends in Indian Economy: Challenges and Revival Measures*” organized by Department of Economics, Adikavi Nannaya University MSN Campus, Kakinada, Andhra Pradesh on 26<sup>th</sup> August, 2020.
6. National Webinar on “*Vaccines for COVID-19 & ahead*” organized by the Department of Zoology, Utkal University and Zoological Society of Odisha, on 27<sup>th</sup> August, 2020.
7. National Webinar on “*National Education Policy, 2020*” organized by Shri G. S. Institute of Technology and Science, Indore, Madhya Pradesh on 11<sup>th</sup> October, 2020
8. National Webinar on “*Shrii Shrii Anandamurtijii's Contribution to Philosophy, Science, Neo-Humanism Economist and Neo-Humanist Education*” organized by Rajasthan University on 26<sup>th</sup>-27<sup>th</sup> November, 2020.
9. National Webinar on “*Mitigating the Challenges in Animal Reproduction Sector*” organized by Department of Animal Reproduction, Gynaecology & Obstetrics, College of Veterinary Science and Animal Husbandry, OUAT, Bhubaneswar, on 13<sup>th</sup> December, 2020.
10. National Webinar on “*Perspectives in Nanotechnology*” Organized by Department of Chemistry, Govt. Degree College, Jagtial, Telangana, on 29<sup>th</sup> April, 2021.
11. National Webinar on “*Making Frugal Innovation Work*” presented by Prof. Rishikesha T. Krishnan, Director, Indian Institute of Management, Bangalore, India, organized in the Department of Management, Mizoram University, Aizawl, India, held on 13<sup>th</sup> October, 2021.
12. National Webinar on “*Investor Awareness Program*” conducted by Department of Commerce, Utkal University in association with Ambition Learning Solutions held on 28<sup>th</sup> November, 2021.
13. National Webinar on “*Emerging Trends in Green, Yellow & Red Biotechnologies*” organized by Department of Botany, Government Degree College for Women, Jagtial T.S & RBVRR Women’s College (A), Hyderabad, Telangana, held on Dt. 17/02/2022.
14. National Webinar on “*Ethical Practice in Publication and Use of Animals in Research and Development*” organized by the Department of Pharmacology and Toxicology, College of Veterinary Science & Animal Husbandry, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha, India on 19<sup>th</sup> February, 2022.
15. National Webinar on “*Entrepreneurship Development on Backyard and Commercial Poultry for Economic Development in Odisha*” organized by College of Veterinary Science and Animal Husbandry, OUAT, Bhubaneswar on 16<sup>th</sup> February 2022.
16. National Virtual Seminar on “*Intellectual Property Rights: Challenges in Acquiring Patents and its Process*” organized by Department of Botany & Department of NSS &

Department of Commerce, Government Degree College for Women, Jagtial, Telangana on 6<sup>th</sup> May, 2022.

17. National Webinar on “*Azadi Ka Amrit Mahotsav: 75 Years of Independence Day Celebrations*” delivered by Prof. Koduri Srivani, Department of Economics, NSS-Coordinator, Satavahana, University, Karimnagar, Telangana State, held on 19.08.2022
18. DRDO sponsored two days National level Seminar on “*Modern Antenna Design for 5G and Its Related Applications*” organized by Department of Electronics and Communication Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore, from 22-08-2022 to 23-08-2022

### **Webinars on Skill / Professional Development**

1. Webinar and Q&A session entitled “*Automatic Tumor Specific 3D Cultures for Anti-Cancer Drug Screening*” organized by the Select Science Ltd. on 02<sup>nd</sup> May, 2020
2. Webinar and Q&A session entitled “*From Large Cells To Nuclei: Key Considerations For Everyday Sorting Applications*” organized by the Select Science Ltd. on 28<sup>th</sup> May, 2020
3. Webinar and Q&A session entitled “*Pipetting Academy-Best Pipetting Practices in qPCR*” organized by the Select Science Ltd. on 2<sup>nd</sup> June, 2020
4. Webinar on “*Art of Living with the Virus: Some Interesting Ways and Reflective Means*” organized by KIIT-Technology Business Incubator, Bhubaneswar, on 13<sup>th</sup> June, 2020.
5. Webinar and Q&A session entitled “*Harnessing Knockout Validations for Reproducible Research*” organized by the Select Science Ltd. on 18<sup>th</sup> June, 2020
6. Webinar and Q&A session entitled “*Deep Exploration of the Genetic Dependencies of Antibiotic Functions*” organized by the Select Science Ltd. on 19<sup>th</sup> June, 2020
7. Webinar and Q&A session entitled “*Complex Bacterial Samples and rRNA removal*” organized by the Select Science Ltd. on 25<sup>th</sup> June, 2020.
8. Webinar and Q&A session entitled “*Chimeric Antigen T Cells as a model For the Global Clinical Development and Commercialization*” organized by the Select Science Ltd. on 28<sup>th</sup> June, 2020
9. Webinar and Q&A session entitled “*Understanding Pain Mechanisms: RNA Expression Analysis of Peripheral Nervous System Tissue*” organized by the Select Science Ltd. on 28<sup>th</sup> June, 2020
10. Webinar on “*Recent Innovation in Molecular Spectroscopy (FTIR, IR imaging and UV-Vis Spectroscopy)*” jointly organized by KIIT-Technology Business Incubator, Bhubaneswar and Agilent Technologies Ltd. on 16<sup>th</sup> June, 2020.

11. Webinar on “*Variables and Measurement*” Organized by the Global Association of Social Sciences, in Technical Collaboration with the International Research Journal of Social Sciences and Humanities and Indore School of Social Work, Indore, Madhya Pradesh, and presented paper entitled “*Biostatistics in Biosciences*” on 28<sup>th</sup> June, 2020.
12. Webinar on “*Advancements in Liquid Chromatography and QbD*” jointly organized by KIIT-Technology Business Incubator, Bhubaneswar and Agilent Technologies Ltd. on 29<sup>th</sup> June, 2020.
13. Webinar on “*Microfinance in India and Role of Financial System in Economic Development*” organized by Directorate of Distance Education, Algapa University, Karaikudi on 3<sup>rd</sup> July, 2020.
14. Webinar on “*Innovation from Creativity to Delivery*” organized by Achieve Centre for Leadership & Workplace Performance on 03<sup>rd</sup> July, 2020.
15. Webinar on “*COVID-19 is an Opportunity*” organized by the Rungta Group of Institutions (R1) on 4<sup>th</sup> July, 2020.
16. Webinar on “*Mega Trends for Mega Changes*” delivered by Ambassador Dr. Deepak Vohra, organized by Rungta Group of Institutions (R1) on Dated 5<sup>th</sup> July, 2020
17. Webinar on “*Winning over COVID-recruitment initiatives by TCS*” presented by Manadeep Bagchi, organized by Rungta Group of Institutions (R1) on 12<sup>th</sup> July, 2020
18. Webinar on “*Robotics Operating System*” organized by Adama Science and Technology University, Ethiopia in association with Pantech Ltd. on 17<sup>th</sup> July, 2020.
19. Webinar on “*Oncology Scientific Updates in COVID-19 Pandemic*” organized by the International Organization of Oncology (IAO) on 18 July, 2020.
20. Webinar on “*Global Opportunities in Pharmaceutical Sector*” organized by the Rungta Group of Institutions (R1) on 18<sup>th</sup>-19<sup>th</sup> July, 2020.
21. Webinar on “*Vaccines for Preventing Infectious Diseases and Challenges in COVID-19 Vaccine Development*” organized by KIIT-Technology Business Incubator, Bhubaneswar on 24<sup>th</sup> July, 2020.
22. Webinar on “*Advanced Ovarian Cancer Prolonging Survival in the Present Decade*” organized by the International Organization of Oncology (IAO) on 25<sup>th</sup> July, 2020
23. Webinar on “*IIOT industry 4.0*” organized by Shree Ramachandra College of Engineering in association with Pantech Ltd. on 25<sup>th</sup> July, 2020.



24. Webinar on "*Fresher hiring in Mechanical Industry - The Impact of COVID-19*" organized by Rungta Group of Institutions (R1) on 25<sup>th</sup> July, 2020.
25. Webinar on "*See and Move: Understand Activity Planning for Children's with Special Needs*" conducted by Lakhya on 25<sup>th</sup> July, 2020
26. Webinar on "*The Journey of a Hero*" delivered by Padma Shree Anuj Sharma, organized by Rungta Group of Institutions (R1) on 26<sup>th</sup> July, 2020.
27. Webinar on "*Photo-Dermatitis and Hand Eczemas*" organized by International Society for Dermatology Research (ISDR) on 31<sup>st</sup> July, 2020
28. Webinar on "*New Education Policy: - Social Dimensions*" by Department of Sociology, Gujarat University, Navrangpura, Ahmadabad, Gujarat on 24<sup>th</sup> October, 2020.
29. Webinar on is "*Being Right Always Good or Being Left Being Left Always Bad? Evolution in rMCMC Understanding*" organized by the International Organization of Oncology (IAO) on 1<sup>st</sup> August, 2020.
30. Webinar on "*COVID-19, A blessing in Disguise-How to Grab the Opportunity*" delivered by Ashok Ranjith, organized by Rungta Group of Institutions (R1) on 1<sup>st</sup> August, 2020.
31. Webinar on "*Big Data and Hadoop: New Standard for Industry*" delivered by Mr. Sunil Sahu organized by the Rungta Group of Institutions (R1) on 7<sup>th</sup> August, 2020.
32. Webinar and Q&A session entitled "*Maintaining Laboratory Qualities in an Emergency: A COVID-19 case study*" organized by the Select Science Ltd. on 24<sup>th</sup> July, 2020.
33. Webinar and Q&A session entitled "*Role of Serology in the Next Phase of COVID-19 Investigation and Response*" organized by the Select Science Ltd. on 11<sup>th</sup> August, 2020.
34. Webinar and Q&A session entitled "*One Instrument Two Analysis: Residual Solvents and Terpene on the Agilent Intuvo 9000 GC/MS systems*" organized by the Select Science Ltd. on 18<sup>th</sup> august, 2020
35. Webinar on "*Functional Constipation in Children*" organized by Biolegues, on 28<sup>th</sup> August, 2020.
36. Webinar on "*Machine Learning Methods to accelerate your Career in Drug Design*" organized by KIIT-Technology Business Incubator, Bhubaneswar, on 12<sup>th</sup> September, 2020.
37. Webinar on the topic "*Surgical Techniques in Woman Cancer*" organized by International Association Oncology (IAO) on 25<sup>th</sup> April, 2021

38. Webinar on the topic “*Regional Haemato-Pathology*” organized by International Association Oncology (IAO) on 14<sup>th</sup> May, 2021
39. Webinar on the topic “*Breakthroughs in Early Lung Cancer Detection and Treatment*” organized by International Association Oncology (IAO) and BioLeagues Worldwide on 27<sup>th</sup> June, 2021
40. Webinar and Q&A session entitled “*Miniature to Maximise: High Resolution Genomics and NGS at Fraction of the cost Libraries*” organized by the Select Science Ltd. on 7<sup>th</sup> September, 2021.
41. Webinar and Q&A session entitled “*New Opportunities in System Pharmacology: How to Utilise Metabolomics for Cancer Research*” organized by the Select Science Ltd. on 14<sup>th</sup> September, 2021.
42. Webinar and Q&A session entitled “*Easy, Rapid and Direct Analysis of Challenging Polar Compounds*” organized by the Select Science Ltd. on 18<sup>th</sup> September, 2021.
43. Webinar and Q&A session entitled “*Size Exclusion Native Mass Spectrometry for the Characterization of Monoclonal Antibodies*” organized by the Select Science Ltd. on 22<sup>nd</sup> September, 2021.
44. Webinar on the topic “*Genetics in Prostate Cancer*” organized by International Association Oncology (IAO) and BioLeagues Worldwide on 28<sup>th</sup> September, 2021.
45. Webinar and Q&A session entitled “*Detect, Discover, Diagnose: Uncovering Biomarkers to Advance Non-Invasive Breath Based Diagnostics*” organized by the Select Science Ltd. on 29<sup>th</sup> September, 2021.
46. Webinar on “*HFNC to enhance safe Anaesthesia during Peri-operative period*” organized by Indian Society of Anaesthesiologist during CME Conference of Rajasthan and Jaipur Chapter of ISA on 9<sup>th</sup> October, 2021.
47. Webinar on the Topic “*Global Drug Safety (Pharmacovigilance)*” organized by Association of Pharmaceutical Research (APR) on 23<sup>rd</sup> October, 2021.
48. Webinar on “*Path to Prosperity*” jointly organized by The Week and Aditya Birla Sun Life Mutual Fund, on 31<sup>st</sup>, October, 2021.
49. Guest Lecture on “*National Pharmacist Day*” organized by Association of Pharmaceutical Research (APR) on 12<sup>th</sup> January, 2022
50. Webinar on “*Dangers of Addiction and How to Overcome Addiction*” organized by Amity Institute of Biotechnology, Amity University, Jaipur, Rajasthan, on 24<sup>th</sup> January 2022.

51. Webinar on the Topic “*Pharmaceutical Technology*” organized by D Y Patil University School of Pharmacy and Association of Pharmaceutical Research (APR) on 5<sup>th</sup> February, 2022
52. Webinar on “*Food, Planet, Health*” conducted by Vegan Outreach Pvt. Ltd. on 10<sup>th</sup> February, 2022.
53. Webinar on “*Management of Respiratory Symptoms in Long COVID*” organized by British Medical Journal (BMJ) Group on 24<sup>th</sup> February, 2022.
54. Webinar on the Topic “*International Women’s Cancer Awareness Day*” organized by International Association Oncology (IAO) and BioLeagues Worldwide on 8<sup>th</sup> March, 2022.
55. Webinar on the Topic “*Colorectal Cancer Awareness*” organized by International Association Oncology (IAO) and BioLeagues Worldwide on 26<sup>th</sup> March, 2022.
56. Webinar on the Topic “*Molecular Biomarker Identification for Right Treatment Decision in NSCLS*” organized by International Association Oncology (IAO) and BioLeagues Worldwide on 29<sup>th</sup> March, 2022.
57. Guest Lecture on the topic “*An Overview of Advances in the Standardization of Herbal Drugs*” organized by the Association of Pharmaceutical Research (APR) on 16<sup>th</sup> April, 2022.
58. BMJ India Webinar on the Topic “*Anxiety and Depression in Primary Care*” delivered by Dr. Pratap Tharyan, Professor of Psychiatry, Christian Medical College & Hospital, Vellore, Tamil Nadu, on 29<sup>th</sup> April, 2022.
59. Webinar on the topic “*Drug Discovery and Clinical Trial*” organized by the Association of Pharmaceutical Research (APR) on 3<sup>rd</sup> May, 2022.
60. Webinar on the Topic “*Bladder Cancer Awareness*” organized by International Association Oncology (IAO) on 17<sup>th</sup> May, 2022.
61. Webinar on “*Nutritious Food as an Opportunity in the Hospitality Sector*” conducted by Gujranwala Guru Nanak institute of Management & Technology, Ludhiana, on 18<sup>th</sup> May, 2022.
62. Webinar on the topic “*Future and Current Aspects of Pharma Industry*” organized by the Association of Pharmaceutical Research (APR) on 31<sup>st</sup> May, 2022.
63. Webinar on the topic “*Electoral Reforms for Communal Harmony and Improved Administrative Efficiency*” on 17<sup>th</sup> June, 2022.

64. BMJ India Webinar on the topic “*Primary Care Rheumatology*” by Dr. Debashish Danda, Professor & Head Department of, Rheumatology & Clinical Immunology, Christian Medical College & Hospital, Vellore, Tamil Nadu, on 30<sup>th</sup> June, 2022.
65. Webinar on the Title” *Lessons From Chile's New Constitution*” organized by Society for Communal Harmony Dialogue, New Delhi, on 20<sup>th</sup> July, 2022
66. BMJ India Webinar von the topic “*Diagnosing and Managing Epilepsy in Primary Care*” by Dr. Mamta Bhusan Singh, Professor, Department of Neurology, Neurosciences centre, AIIMS, New Delhi on 28<sup>th</sup> July, 2022.
67. International Webinar on the topic “*Karl Popper and the Reconstruction of Progressive Politics*” organized by Vishwaneedam Centre for Asian Blossoming, Puducherry on 28<sup>th</sup> July, 2022.
68. Webinar on "*Industrial Applications of Machine Learning and Challenges*" organized by Computer Engineering Department, Government Engineering College, Rajkot, on 30<sup>th</sup> July, 2022
69. BMJ India Webinar on “*Managing common skin conditions in primary care*” by Dr. Rashmi Kumari Professor & Head, Department of Dermatology, JIPMER, Pondicherry on 26<sup>th</sup> August, 2022
70. Webinar entitled “*Transcriptional landscape of HPV-positive head and neck cancer mediated through bromodomain and extra-terminal protein –BRD4*” delivered by Dr. Gopal Iyer, Assistant Professor, Department of Human Oncology, University of Wisconsin-Madison organized by the Select Science Ltd. on 10<sup>th</sup> October, 2022
71. BMJ India Webinar on the topic “*Approach to Abnormal Uterine Bleeding in Primary Care*” by Dr. Amrita Ray, Professor & HOD, Department of OBG, MMC, Madhubani, Bihar, on 28<sup>th</sup> October, 2022.
72. BMJ India Webinar on the topic “*The Management of T2DM with a focus on new age therapies*” on 24<sup>th</sup> November, 2022.
73. BMJ India Webinar on the topic “*Approach to Diagnosing Chronic Kidney Disease in Primary Care*” on 28<sup>th</sup> April, 2023.
74. Webinar entitled “*The Implementation of New Standards In Medical Laboratories ISO 15189:2022*” organized by Mindray Chemistry Academy, on 7<sup>th</sup> July, 2023.
75. BMJ India Webinar on the topic “*Quality Improvement*” by Dr. Kieran Walsh on 28<sup>th</sup> July, 2023.

## **TALKS AND PRESENTATIONS**

1. Talk on “*Current Trends in Animal Biotechnology*” in College of Veterinary Science and Animal Husbandry, Orissa University of Agriculture and Technology, Bhubaneswar on 24<sup>th</sup> August, 2015.
2. Talk/Seminar on “*Bio-safety levels in Biosciences Laboratories*” during the Refresher Course in “Biotechnology and Biosciences” Conducted by UGC-HRDC, Utkal University during 25<sup>th</sup> January - 7<sup>th</sup> February, 2020.
3. Young Scientist Lecture on the Topic “*Molecular Characterization of H9N2 Avian Influenza virus*” in the National conference on Advances in Life Sciences and Biotechnology, organized by Rama Devi University, Bhubaneswar, on 27<sup>th</sup>-28<sup>th</sup> February, 2020.
4. Contributed scientific message in the College Science Society Magazine of Raghunath Jew Degree College, Deulasahi, Tulasipur, Cuttack, Odisha, on the title “STEPS TO SCIENCE” with the theme “NANOTECHNOLOGY, the new trends in science” for the year 2022-23.

#### **EXPOSURE VISITS**

1. Oxalis Labs, Baddi, Kharuni, Himachal Pradesh (2019)
2. Denzong Breweries Pvt. Ltd., Khurda, Odisha (2019)
3. Biocon Pvt. Ltd., Bangalore, Karnataka (2020)
4. Anthem Biosciences Pvt. Ltd, Bangalore, Karnataka (2020)

#### **AWARDS IN NATIONAL / STATE LEVEL EVENTS**

1. 3<sup>rd</sup> ICAR-All India Inter-Agricultural University Youth Festival (Agriunifest-2001, Bronze medal), organized by Kerala Agricultural University, on 21<sup>st</sup>-25<sup>th</sup> January, 2001
2. 6<sup>th</sup> ICAR-All India Inter-Agricultural University Youth Festival (Agriunifest-2005, Silver Medal), organized by Marathwada Agricultural University, Parbhani, Maharashtra on 4<sup>th</sup>-8<sup>th</sup> January, 2005
3. 5<sup>th</sup> All India Drawing-Painting Competition-2012 (6<sup>th</sup> Prize) organized by Zydus Animal Health Limited, Ahmadabad-2012.
4. 5<sup>th</sup> All India Drawing-Painting Competition-2012 (1<sup>st</sup> Prize) conducted at ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh, organized by Zydus Animal Health Limited, Ahmadabad-2012.
5. 11<sup>th</sup> State Level Painting Competition (Group-D) conducted by Odisha Lalit Kala Academy, Govt. of Odisha.

6. Participated and awarded 1<sup>st</sup> position in the “Poster making and Caption writing competition” organized by “Drustidaan” Odisha on 1<sup>st</sup> September, 2002.

### **ADMINISTRATIVE EXPERIENCES**

1. Assistant Superintendant of Gents Hostel-II, Utkal University (since, 2018)
2. Co-convener of Institutional Ethics committee, Utkal University (since, 2021)
3. Assistant Coordinator, Masters in Public Health course, Second Campus, Utkal University (since, 2021).
4. Member of Departmental Animal Ethics Committee, Utkal University ((since, 2019)
5. Convener of Departmental Teachers Council (since, 2015)
6. Member, Departmental Research Committee of Biotechnology, Utkal University (since, 2017)
7. Member, Central Squad Team for M.Sc. Biotechnology Final Examination-2018, Utkal University affiliated Biotechnology colleges.
8. Member, Central Squad Team for +3, Examination-2015, Biraja Women's College, Jajpur, Odisha
9. Centre Superintendent for M.Sc. Biotechnology Entrance Examination-2015, conducted by DBT, Govt. of India through JNU, New Delhi.
10. Presiding Officer and Counting Supervisor (ID-15527) in General Assembly Election (114, Ekamra-Bhubaneswar) and Parliamentary Election [18-Bhubaneswar (Gen)]-2019
11. Member, Local Inspection Team, Utkal University for local enquiry of DRIEMS School & College of Nursing, Tangi, Cuttack-754022 during February, 2021.
12. Member, Local Inspection Team, Utkal University for local enquiry of Dr. Abhin Chandra Homeopathic Medical College, Bhubaneswar-751001, Khurda, during, December, 2020.
13. Centre Superintendent for M.Sc. Biotechnology Entrance Examination-2021, conducted by CPET, Govt. of Odisha at Utkal University.
14. Assistant Centre Superintendent for M.Sc. Bioinformatics Entrance Examination-2021, conducted by CPET, Govt. of Odisha at Utkal University.
15. External Subject Expert for Up-gradation of CSIR-UGC-Junior Research Fellow in Life Science-2021

16. External Examiner for B.Sc. & M.Sc. Biotechnology Final Examination (Viva-Voce), to Ramadevi Women's University, Bhubaneswar (2019), and Utkal University Affiliated Biotechnology Colleges, since, 2016.
17. Member of the working committee in Odisha Research Conclave, organised by OSHEC, Govt. of Odisha, conducted at Utkal University, Bhubaneswar on 13<sup>th</sup>-14<sup>th</sup> November, 2021.
18. Member of the Coordinating committee organised for Odisha State Level Inter-University competitions in Extracurricular Activities (Drawing/Painting) conducted in Utkal University on 4<sup>th</sup>-6<sup>th</sup> February, 28<sup>th</sup> February and 15<sup>th</sup>-17<sup>th</sup> March, 2022.
19. Executive Member of Faculty Club, Utkal University Teachers Association (UUTA)
20. Co-coordinator of value added course on "Bioanalytical Techniques for Interdisciplinary Research" in the Department of Biotechnology, Utkal University from 15<sup>th</sup>-26<sup>th</sup>, December, 2021.
21. Presiding Officer [EmpId: 21192615 (m)] in the Odisha Municipal Corporation (Bhubaneswar Municipal Corporation) on 24.03.2022.
22. External Examiner for the B.Sc. Biotechnology, 3<sup>rd</sup> Semester Final Examination of Department of Biotechnology of MITS School of Biotechnology, Bhubaneswar on 12<sup>th</sup> April, 2022.
23. External Examiner for the B.Sc. Biotechnology, 3<sup>rd</sup> Semester Final Examination of the Department of Biotechnology, of Rama Devi Women's University, Bhubaneswar on 16<sup>th</sup> April, 2022.
24. Member of the Flying Squad to visit and report on the conduct of P.G. (MD/MS) Examination-2022 in Hi-Tech Medical College and Hospital, Bhubaneswar on 20<sup>th</sup> and 25<sup>th</sup> April 2022.
25. Member of the management committee for 51<sup>st</sup> Convocation of Utkal University on 30.04.2022.
26. Panel expert for judging Essay competition on the topic "Contribution of Bio-resources for Human Wellbeing" conducted by Odisha Biodiversity Board on 10<sup>th</sup> May, 2022.
27. Member, Local Inspection Team, Utkal University for local enquiry of Indian Institute of Public Health, Bhubaneswar-751001, Khurda, on 12<sup>th</sup> May, 2022.
28. Member, Local Inspection Team, Utkal University for local enquiry of Prachi Mahavidyalaya of special Education, Sri Guru Nagar, Raghunathpur, Nuagaon, Bhubaneswar on 15<sup>th</sup> September, 2022.

29. External Examiner for conducting M.Sc. Biotechnology project dissertation Viva-voce examination at School of Biotechnology, Trident Academy of Technology, Bhubaneswar on 12<sup>th</sup> August, 2022.
30. Deputy centre superintendant for conducting the Common Post Graduate Entrance Examination Test (CPET-2022) in Biotechnology, Govt. of Odisha on 12<sup>th</sup> August, 2022 in Utkal University.
31. External Examiner for conducting B.Sc. Biotechnology, 4<sup>th</sup> Semester Final viva-voce examination of Ramadevi Women's University, Bhubaneswar on 16<sup>th</sup> August, 2022.
32. External Examiner for conducting M.Sc. Biotechnology, 2<sup>nd</sup> Semester final viva-voce examination of MITS School of Biotechnology, Bhubaneswar on 3<sup>rd</sup> September, 2022.
33. External Examiner for the B.Sc. Biotechnology, 2<sup>nd</sup> Semester Final Examination of the Department of Biotechnology of Rama Devi Women's University, Bhubaneswar on 16<sup>th</sup> September, 2022.
34. Member, Local Inspection Team of Utkal University for local enquiry of Government College of Nursing, District Headquarter Hospital, Dhenkanal, Odisha on 21-12-2022
35. External Examiner for the B.Sc. Biotechnology, 3<sup>rd</sup> Semester Final Examination of the Department of Biotechnology, of Rama Devi Women's University, Bhubaneswar on 16<sup>th</sup> April, 2022.
36. External Examiner for the M.Sc. Biotechnology, 3<sup>rd</sup> Semester Final Examination of the Department of Biotechnology of Rama Devi Women's University, Bhubaneswar on 30<sup>th</sup> January, 2023.
37. External Examiner for the B.Sc. Biotechnology, 5<sup>th</sup> Semester Final Examination of the MITS School of Biotechnology, Bhubaneswar on 31<sup>st</sup> January, 2023.
38. Member, Local Inspection Team of Utkal University for local enquiry of Anjanadevi College of Nursing, Chhatabar, Khurdha, Odisha on 14.02.2023
39. Member, Local Inspection Team of Utkal University for local enquiry of Viswass College of Nursing, Chhatabar, Khurdha, Odisha on 14.02.2023
40. Member, Local Inspection Team of Utkal University for local enquiry of Lord Jagannath Mission's College of Nursing, Mancheswar, Bhubaneswar on 23.03.2023
41. Member, Screening committee for the applications for the post of Professors, Associate Professors and Assistant Professors in the Central University of Odisha, Koraput, 2023.



42. Member, Local Inspection Team of Utkal University for local enquiry of Blue wheel Institute of Nursing Sciences (BINS), Nayagarh, Odisha, on 23.03.2023
43. Member, Local Inspection Team of Utkal University for local enquiry of Kalinga Bharati Residential College, Pirabazar, Gopalpur, Cuttack, Odisha, on 02.06.2023
44. Member, Local Inspection Team of Utkal University for local enquiry of Synergy College of Nursing, Dhenkanal, Odisha, on 14.07.2023.
45. Member, Inspection Team of Utkal University for inspection of Royal Academy of Nursing, Dhenkanal, Odisha, for approval of NOC, on 14.07.2023.
46. Member, Inspection Team of Utkal University for inspection of Dhenkanal Academy of Medical Science, Dhenkanal, Odisha, for approval of University NOC, on 14.07.2023.
47. External Examiner for conducting M.Sc. Biotechnology, 4<sup>th</sup> Semester Paper-403, Viva-voce examination of School of Biotechnology, TACT, Bhubaneswar on 24<sup>th</sup> July, 2023.
48. External Examiner for conducting M.Sc. Biotechnology, 4<sup>th</sup> Semester Paper-404, Viva-voce examination of AMIT College of Biotechnology, Khordha on 28<sup>th</sup> July, 2023.
49. External Examiner for the B.Sc. Biotechnology, 4<sup>th</sup> Semester Final Examination (Immunology) of the Department of Biotechnology of Rama Devi Women's University, Bhubaneswar on 3<sup>rd</sup> August, 2023.
50. Faculty in-charge and Volunteers in the World Anthropology Congress-2023 on the theme "Anthropology In Public Sphere: Indigeneity, Social Justice, Sustainability And Global Peace" organized by the United India Anthropology Forum (UIAF) in collaboration with the Department of Anthropology, Utkal University on 9<sup>th</sup> -14<sup>th</sup> August 2023.
51. External Examiner for conducting M.Sc. Biotechnology, 2<sup>nd</sup> Semester Viva-voce examination of MITS College of Biotechnology, Bhubaneswar on 18<sup>th</sup> August, 2023.
52. Member, Inspection Team of Utkal University for inspection of TACT, Bhubaneswar for provisional affiliation of M.Sc. in Microbiology course, on 22.08.2023.
53. Member, Inspection Team of Utkal University for inspection of Mukti College of Nursing, Gop, Puri, Odisha, for approval of University NOC, on 25.03.2029
54. Member, Teacher in-charge of registration for the 1<sup>st</sup> year-2023 batch, student induction programme conducted in the Convocation hall of Utkal University on Dt. 31.08.2023.

## **PROFESSIONAL MEMBERSHIPS**

1. Professional Member of Odisha Veterinary Association.
2. Professional Member of Utkal University Teachers Association (UTA)
3. Professional Member of Indian Society for Veterinary Immunology and Biotechnology (ISVIB)
4. Professional Member of International Paget's Association (IPA)
5. Member of Indian Science Congress (InSC)
  6. Professional Member of Association of Pharmaceutical Research (APR)
7. Professional Member of BioLegues Worldwide
8. Professional Member of Microbiology Society, London, UK
9. Professional Member of International Society for Dermatology Research (ISDR)
10. Professional Member of International Association of Oncology (IAO)

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