

Alok Kumar Panda, Ph.D.

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EDUCATIONAL BACKGROUND

Jan 2013-Feb 2018	Ph.D. in Biophysical and Biochemistry Indian Institute of Technology Bhubaneswar, India
2007-2009	M.Sc (specialization in Organic Chemistry)
2003-2006	B.Sc (Chemistry Honours) <i>University First Rank Holder</i> College of Basic Sciences and Humanities, Orissa University of Agriculture and Technology, India
2001-2003	Intermediate BJB Junior College, Bhubaneswar Council of Higher Secondary Education (CHSE), Odisha
2001	Matriculation <i>Certificate of Merit from CBSE Board</i> St. Xaviers High School, Bhubaneswar Central Board of Secondary Education (CBSE), India

RESEARCH EXPERIENCE

Aug 2018-Present	Assistant Professor (Chemistry) Department of Chemistry School of Applied Sciences KIIT Deemed University, Bhubaneswar Odisha, India
Nov 2017-Aug 2018	Postdoctoral Associate Department of Chemistry, University at Albany State University of New York, Albany, USA
Jan 2013-Apr 2017	Graduate Student Senior Research Fellow (CSIR/ICMR) Indian Institute of Technology Bhubaneswar
Aug 2012-May 2013	Senior Research Fellow (CSIR Project) Indian Institute of Technology Bhubaneswar

Jul 2010-Aug 2012	Project Assistant (DST Project) Indian Institute of Technology Bhubaneswar
Mar 2009-Mar 2010	Project Assistant (TRIFED Project) Institute of Minerals & Materials Technology Bhubaneswar
Summer 2008	Summer Research Fellow Indian Institute of Science Bangalore

TEACHING EXPERIENCE

Aug 2018-Present	Assistant Professor (Chemistry) Department of Chemistry School of Applied Sciences KIIT Deemed University, Bhubaneswar Odisha, India
Jun 2017-Aug 2017	Assistant Professor (Chemistry) School of Science Sandip University, Nashik, India
Aug 2016-Feb 2017	Guest Faculty, Department of Chemistry College of Basic Sciences and Humanities, Orissa University of Agriculture and Technology, India
Jan 2013-Dec 2013	Teaching Assistant Indian Institute of Technology Bhubaneswar

AWARDS AND HONORS

Sept 2013-Sept 2016	Direct ICMR Senior Research Fellowship, Indian Council of Medical Research, India
Jun 2013-Sept 2013	Direct CSIR Senior Research Fellowship, Council of Scientific and Industrial Research, India
Feb 2011	Third Prize in poster presentation held at Indian Institute of Technology Bhubaneswar on National Science Day.
Summer 2008	JNCASR Summer Research Fellow at Indian Institute of Science, Bangalore.
Aug 2006	University First Rank Holder in Chemistry Honours in Bachelor of Science (B.Sc).
Mar 2001	Certificate of Merit from CBSE Board

RESEARCH PUBLICATIONS (Total – 45, H-Index - 15)

1. Debashis Das, Uttam K. Panigrahi, Jyotirmayee Giri, **Alok Kumar Panda**, Pramoda K. Satapathy, and Pravanjan Mallick.. “Reduced graphene oxide supported Bismuth-Iron mixed oxide nanocomposite: A potent photocatalyst for crystal violet dye degradation and antimicrobial application” **Journal of Photochemistry and Photobiology A: Chemistry**, 457, 115912, (2024). [IF: 4.10]

2. Rushali Dudure, Pulak Pritam, **Alok Kumar Panda**, Sujit Kumar Ghosh, and Manojkumar Jadhao. "Mechanistic exploration of Perfluoroctanoic Acid-Induced Hen egg white lysozyme aggregation at physiological Conditions: Spectroscopic and thermodynamic insights." *Journal of Molecular Liquids*, 408, 125255, (2024). **[IF: 5.30]**
3. Subhashree Barik, **Alok Kumar Panda**, Viplov Kumar Biswas, Sheetal Das, Ayon Chakraborty, Shibangini Beura, Rahul Modak, Sunil Kumar Raghav, Rajiv K. Kar, and Ashis Biswas. "Lysine acetylation of Hsp16. 3: Effect on its structure, chaperone function and influence towards the growth of *Mycobacterium tuberculosis*." *International Journal of Biological Macromolecules*, 268(2), 131763, (2024). **[IF: 8.20]**
4. Shibangini Beura, Pulak Pritam, Ajit Kumar Dhal, Arindam Jana, Aiswarya Dash, Pritisundar Mohanty, **Alok Kumar Panda***, and Rahul Modak*, "An insight into the role of the N-terminal domain of *Salmonella* CobB in oligomerization and Zn²⁺ mediated inhibition of the deacetylase activity." *Frontiers in Molecular Biosciences*, 11,1345158 (2024). **[IF : 5.00]**
5. Shibani Mohapatra, Sandeep Kumar Behera, Sreelipta Das, Jyotirmayee Giri, Manisha Dash, Shusree Prachi Palai, Soumyaranjan Senapati, Pulak Pritam, Tapan Kumar Bastia, Prasanta Rath, and **Alok Kumar Panda*** , "Life cycle analyses and carbon footprint of bioplastics." In *Bioplastics for Sustainability*, 355-369, (2024). [Book Chapter-Elsevier]
6. Shibani Mohapatra, Soumyaranjan Senapati, Jyotirmayee Giri, Adarshi Bhattacharya, Manisha Dash, Tapan Kumar Bastia, Prasanta Rath, and **Alok Kumar Panda***. "Role of Magnetic Nanomaterials in Biotechnological Applications." In *Iron Oxide-Based Nanocomposites and Nanoenzymes: Fundamentals and Applications*, 289-317, (2024). [Book Chapter-Cham: *Springer International Publishing*]
7. Melaku Masresha Woldeamanuel, Shibani Mohapatra, Soumyaranjan Senapati, Tapan Kumar Bastia, **Alok Kumar Panda**, and Prasanta Rath. "Role of Magnetic Nanomaterials in Environmental Remediation." In *Iron Oxide-Based Nanocomposites and Nanoenzymes: Fundamentals and Applications*, 185-208, (2024). [Book Chapter-Cham: *Springer International Publishing*]
8. Dipak Subhash Sali, Vishal Gokul Beldar, **Alok Kumar Panda**, and Manojkumar Jadhao, "Antioxidant or Antimicrobial Nature of Essential Oils to Minimize Food Waste", In *Essential Oils: Extraction Methods and Applications, Inamuddin (Ed.)*, 315-338, (2024) [Book Chapter-Wiley Online, Scrivener Publishing LLC]
9. Rushali Dudure, Ritika Joshi, Pulak Pritam, Alok Kumar Panda, Manojkumar Jadhao, "Probing the interaction and aggregation of lysozyme in presence of organophosphate pesticides: a comprehensive spectroscopic, calorimetric, and in-silico investigation", *Journal of Biomolecular Structure and Dynamics* (in press) (2023) **[IF : 4.40]**
10. Shakti Prakash Mohanty, Deepak Kumar Nayak, Priyadarsini Sanghamitra, Saumya Ranjan Barik, Elssa Pandit, Abhisarika Behera, Dipti Ranjan Pani, Shibani Mohapatra, Reshma Raj K. R., Kartik Chandra Pradhan, Chita Ranjan Sahoo, Mihir Ranjan Mohanty, Chimayee Behera, **Alok Kumar Panda**, Binod Kumar Jena, Lambodar Behera, Prasanta K. Dash, and Sharat Kumar Pradhan, "Mapping the Genomic Regions Controlling Germination Rate and Early Seedling Growth Parameters in Rice", *Genes*, 14, 902, (2023) **[IF : 3.50]**
11. Melaku Masresha Woldeamanuel, Shibani Mohapatra, Tapan Kumar Bastia, Prasanta Rath, **Alok Kumar Panda**, "Isolation and Structural Elucidation of A Drug-Leading

Bioactive New Lactone From *Echinops Kebericho* Mesfin", ***Journal of Pharmaceutical Negative Results***, 14 (2), 1079-1087, (2023)

12. Soumyaranjan Senapati, Hemanta Kumar Nayak, Manisha Das, Prasanta Rath*, and **Alok Kumar Panda***, "Synthesis and characterization of biochar from dehradun rice straw and its application for adsorption of methylene blue dye", ***AIP Conference Proceedings***, 2740, 060008, (2023) **[IF : 0.40]**
13. Shibani Mohapatra, Saumya Ranjan Barik, Prasanta K. Dash, Devidutta Lenka, Kartika Chandra Pradhan, Reshma Raj K. R, Shakti Prakash Mohanty, Mihir Ranjan Mohanty, Ambika Sahoo, Binod Kumar Jena, **Alok Kumar Panda**, Debabrata Panigrahi, Sushanta Kumar Dash, Jitendriya Meher, Chitta Ranjan Sahoo, Arup Kumar Mukherjee, Lipi Das, Lambodar Behera, and Sharat Kumar Pradhan, "Molecular Breeding for Incorporation of Submergence Tolerance and Durable Bacterial Blight Resistance into the Popular Rice Variety 'Ranidhan", ***Biomolecules*** , 13 (2), 198, (2023) **[IF : 6.06]**
14. Rushali Dudure, Kapil Ganorkar, Vishal Beldar, Sujit Kumar Ghosh, **Alok Kumar Panda**, Manojkumar Jadhao, "Effect of artificial sweetener saccharin on lysozyme aggregation: A combined spectroscopic and in silico approach", ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy***, 290, 122269, (2023) **[IF : 4.83]**
15. Pulak Pritam, Soumyaranjan Senapati, Shusree Prachi Palai, Jyotirmayee Giri, Manisha Dash, Bijayalaxmi Sahoo, Tapan Kumar Bastia, Prasanta Rath, and **Alok Kumar Panda***, "Protein-Based Biomaterials for Sustainable Remediation of Aquatic Environments", ***Biobased Materials: Recent Developments and Industrial Applications-Singapore: Springer Nature***, 153–70, (2023) [Book Chapter-Springer].
16. Melaku Masresha Woldeamanuel, Mohamm Kasso Geda, Shibani Mohapatra, Tapan Kumar Bastia, Prasanta Rath* and **Alok Kumar Panda***, "Ethnobotanical study of endemic and non-endemic medicinal plants used by indigenous people in environs of Gullele botanical garden Addis Ababa, central Ethiopia: A major focus on Asteraceae family", ***Frontiers in Pharmacology***, 13, 1020097, (2022) **[IF : 5.98]**
17. Melaku Masresha Woldeamanel, Soumyaranjan Senapati, Shibani Mohapatra, Hatanath Subudhi, Prasanta Rath and **Alok Kumar Panda***, "Ethnomedicinal and Ethnobotanical Investigations and Documentation of Plants Used by Traditional Healers of Eastern India", ***Current Traditional Medicine***, 6, e100522204524, (2022) **[IF : 0.6]**
18. Naushin Yasmin, Milleni Jamuda, **Alok Kumar Panda**, Kundan Samal and Jagdeep Kumar Nayak , "Emission of greenhouse gases (GHGs) during composting and vermicomposting: Measurement, mitigation, and perspectives", ***Energy Nexus***, 7, 100092, (2022)
19. Ashis Biswas* and **Alok Kumar Panda***, "***Editorial:*** The Role of Mutations, Stresses and Post-Translational Modifications in the Structure and Function of Small Heat Shock Proteins and Their Relationship with Different Human Diseases", ***Frontiers in Molecular Biosciences***, (2022) **[IF : 5.25]**
20. Sandip K Nandi, Alok Kumar Panda, Ayon Chakraborty, Shivani Rathee, Ipsita Roy, Subhashree Barik, Saswati Soumya Mohapatra and Ashis Biswas, "Role of ATP-Small Heat Shock Protein Interaction in Human Diseases", ***Frontiers in Molecular Biosciences***, 9,844826 (2022) **[IF : 5.25]**
21. Shibani Mohapatra, **Alok Kumar Panda**, Akshaya Kumar Bastia, Arup Kumar Mukherjee, Priyadarshani Sanghamitra, Jitendriya Meher, Shakti Prakash Mohanty and Sharat

Kumar Pradhan, "Development of Submergence-Tolerant, Bacterial Blight-Resistant, and High-Yielding Near Isogenic Lines of Popular Variety, 'Swarna' Through Marker-Assisted Breeding Approach", *Frontiers in Plant Sciences*, 12,1441 (2021) [IF : 5.73]

22. Madhuri Hembram, Rashmirekha Tripathy, Jagannath Panda, Tejaswini Sahoo, Saraswati Soren, Deepak Senapati, J. R. Sahu, C. K. Rath, **Alok Kumar Panda***, and Rojalin Sahu*, "Solid-State Green Synthesis of Different Nanoparticles", *Advances in Green Synthesis. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development)*, 289-301 (2021) [Book Chapter-Springer, Cham]
23. Shibani Mohapatra, Akshya Kumar Bastia, **Alok Kumar Panda** and Sharat Kumar Pradhan, "Marker-assisted selection in rice backcross derivatives for transfer of submergence tolerance, bacterial blight resistance and yield potential enhancement in the progenies", *Australian Journal of Crop Sciences*, 14(08),1288-1294 (2020) [IF : 0.62]
24. **Alok Kumar Panda**, Ayon Chakraborty, Sandip Kumar Nandi and Ashis Biswas, – "The impact of different mutations at arginine141 on the structure, subunit exchange dynamics and chaperone activity of Hsp16.3", *Proteins*, 88, 759-774 (2020). [Illustrated as Cover Page] [IF – 2.50]
25. Sandip Kumar Nandi, Ayon Chakraborty, **Alok Kumar Panda** and Ashis Biswas – "M. leprae HSP18 suppresses copper (II) mediated ROS generation: Effect of redox stress on its structure and function", *International Journal of Biological Macromolecules*, 146, 648-660 (2020). [IF – 4.80]
26. Ayon Chakraborty[‡], **Alok Kumar Panda[‡]**, Rajesh Ghosh and Ashis Biswas, - "DNA minor groove binding of a well known anti-mycobacterial drug dapsone: A spectroscopic, viscometric and molecular docking study", *Archives of Biochemistry and Biophysics*, 655, 107-113 (2019). [[‡]equal contribution] [IF - 3.11]
27. Ayon Chakraborty, **Alok Kumar Panda**, Rajesh Ghosh, Ipsita Roy and Ashis Biswas - "Depicting the DNA binding and photo-nuclease ability of anti-mycobacterial drug rifampicin: A biophysical and molecular docking perspective", *International Journal of Biological Macromolecules*, 127, 187-196 (2019). [IF - 3.90]
28. Sandip Kumar Nandi, Ayon Chakraborty, **Alok Kumar Panda**, Rajiv Kumar Kar, Anirban Bhunia and Ashis Biswas - "Evidences for zinc (II) and copper (II) ion interactions with *Mycobacterium leprae* HSP18: Effect on its structure and chaperone function", *Journal of Inorganic Biochemistry*, 188, 62-75 (2018). [IF - 3.26]
29. Ayon Chakraborty, Sandip Kumar Nandi, **Alok Kumar Panda**, Pinaki Prasad Mahapatra; Sourav Giri and Ashis Biswas - "Probing the structure-function relationship of *Mycobacterium leprae* HSP18 under different UV radiations", *International Journal of Biological Macromolecules*, 119, 604-616 (2018). [IF - 3.90]
30. Sudarshana Majumder, Sagarika Pasayat, **Alok Kumar Panda**, Subhashree P. Dash, Satabdi Roy, Ashis Biswas, Mokshada E. Varma, Bimba N. Joshi, Eugenio Garribba, Chahat Kausar, Samir Kumar Patra, Werner Kaminsky, Aurélien Crochet, and Rupam Dinda - "Monomeric and Dimeric Oxidomolybdenum(V and VI) Complexes, Cytotoxicity, and DNA Interaction Studies: Molybdenum Assisted C=N Bond Cleavage of Salophen Ligands", *Inorganic Chemistry*, 56(18), 11190-11210 (2017). [IF - 4.85]
31. Priyabrata Mukhi, Swapna Sarita Mohapatra, M Bhattacharjee, Kalyan Kumar Ray, T.S. Muraleedharan, A Arun, R. Sathyavathi, R. R. Juluri, P.V. Satyam, **Alok Kumar Panda**,

Ashis Biswas, S Nayak, Sreedhar Bojja, S. Pratihar, Sujit Roy - "Mercury based drug in ancient India: The case of red sulfide of mercury in nanoscale", **Journal of Ayurveda and Integrative Medicine**, 8(2), 93-98 (2017). **[IF - 0.69]**

32. **Alok Kumar Panda**, Ayon Chakraborty, Sandip Kumar Nandi, Abhishek Kaushik and Ashis Biswas – The C-terminal extension of *Mycobacterium tuberculosis* Hsp16.3 regulates its oligomerization, subunit exchange dynamics and chaperone function" **FEBS Journal**, 284, 277-300. (2017). **[IF - 4.20]**

33. Subhashree P. Dash‡, **Alok Kumar Panda**‡, Sarita Dhaka‡, Sagarika Pasayat, Ashis Biswas, Mannar R. Maurya, Paresh Kumar Majhi, Aurélien Crochet and Rupam Dinda - "A study of DNA/BSA interaction and catalytic potential of oxidovanadium(V) complexes with ONO donor ligands" **Dalton Transactions**, 45, 18292-18307 (2016).
[‡equal contribution] **[IF - 4.02]**

34. Sandip Kumar Nandi, Ayon Chakraborty, **Alok Kumar Panda** and Ashis Biswas - "Conformational perturbation, hydrophobic interactions and oligomeric association are responsible for the enhanced chaperone function of *Mycobacterium leprae* HSP18 under pre-thermal condition" **RSC Advances**, 6, 62146-62156 (2016). **[IF - 3.10]**

35. **Alok Kumar Panda**‡, Sandip Kumar Nandi‡, Ayon Chakraborty, Ram H. Nagaraj and Ashis Biswas - "Differential role of arginine mutations on the structure and functions of alpha-crystallin", **Biochimica et Biophysica Acta-General Subjects**, 1860, 199-210 (2016) [‡equal contribution]. **[IF - 4.80]**

36. Subhashree P. Dash, **Alok Kumar Panda**, Sagarika Pasayat, Rupam Dinda, Ashis Biswas, Edward R. T. Tiekkink, Subhadip Mukhopadhyay, Sujit K. Bhutia, Werner Kaminsky and Ekkehard Sinn - "Oxidovanadium(V) complexes of aroylhydrazones incorporating heterocycles: Synthesis, characterization and study of DNA binding, photo-induced DNA cleavage and cytotoxic activities", **RSC Advances**, 5, 51852 – 51867 (2015). **[IF - 3.10]**

37. Sandip Kumar Nandi, **Alok Kumar Panda**, Ayon Chakraborty, Sougata Sinha Ray and Ashis Biswas - "Role of subunit exchange and electrostatic interactions on the chaperone activity of *Mycobacterium leprae* HSP18", **PLoS One**, 10(6), e0129734 (2015). **[IF - 2.80]**

38. Saswati, Ayon Chakraborty, Subhashree P. Dash, **Alok Kumar Panda**, Rama Acharyya, Ashis Biswas, Subhadip Mukhopadhyay, Sujit K Bhutia, Aurelien Crochet, Yogesh P. Patil, Munirathinam Nethaji and Rupam Dinda - "Synthesis, X-ray structure and in vitro cytotoxicity studies of Cu(I/II) complexes of thiosemicarbazone: special emphasis on their interactions with DNA", **Dalton Transactions**, 44(13), 6140-6157 (2015). **[IF - 4.02]**

39. Subhashree P. Dash, **Alok Kumar Panda**, Sagarika Pasayat, Sudarshana Majumder, Ashis Biswas, Werner Kaminsky, Subhadip Mukhopadhyay, Sujit K. Bhutia, Rupam Dinda - "Evaluation of the cell cytotoxicity and DNA/BSA binding and cleavage activity of some dioxidovanadium(V) complexes containing aroylhydrazones", **Journal of Inorganic Biochemistry**, 144, 1-12 (2015). **[IF - 3.26]**

40. Sandip Kumar Nandi, Ayon Chakraborty, **Alok Kumar Panda**, Sougata Sinha Ray, Rajiv Kumar Kar, Anirban Bhunia and Ashis Biswas - "Interaction of ATP with a small heat shock protein from *Mycobacterium leprae*: effect on its structure and function", **PLoS Neglected Tropical Diseases**, 9(3), e0003661 (2015). **[IF - 3.94]**

41. Subhashree. P. Dash, **Alok Kumar Panda**, Sagarika Pasayat, Rupam Dinda, Ashis Biswas, E. R. Tiekkink, Yogesh P. Patil, M. Nethaji, Werner Kaminsky, Subhadip Mukhopadhyay and Sujit K. Bhutia - "Syntheses and structural investigation of some alkali metal ion-mediated LV(V)O₂(-) (L(2-) = tridentate ONO ligands) species: DNA binding, photo-induced DNA cleavage and cytotoxic activities", *Dalton Transactions*, 43(26), 10139-10156 (2014). **[IF - 4.02]**
42. Sandip Kumar Nandi, Elengikal A. A. Rehna, **Alok Kumar Panda**, Sugathan Shiburaj, Kuppamuthu Dharmalingam and Ashis Biswas – "A S52P mutation in the 'α-crystallin domain' of *Mycobacterium leprae* HSP18 reduces its oligomeric size and chaperone function", *FEBS Journal*, 280(23), 5994-6009 (2013). **[IF - 4.20]**
43. Ram H. Nagaraj, **Alok Kumar Panda**, Shilpa Shanthakumar, Puttur Santhoshkumar, NagaRekha Pasupuleti, Benlian Wang and Ashis Biswas - "Hydroimidazolone modification of the conserved Arg12 in small heat shock proteins: studies on the structure and chaperone function using mutant mimics", *PLoS One*, 7, e30257 (2012). **[IF - 2.80]**
44. Ram H. Nagaraj, Rooban B. Nahomi, Shilpa Shanthakumar, Mikhail Linetsky, Smitha Padmanabha, Nagarekha Pasupuleti, Benlian Wang, Puttur Santhoshkumar, **Alok Kumar Panda** and Ashis Biswas - "Acetylation of alphaA-crystallin in the human lens: effects on structure and chaperone function", *Biochimica et Biophysica Acta-Molecular Basis of Disease*, 1822, 120-129 (2012). **[IF - 5.70]**
45. Sasmita Baliarsingh, **Alok Kumar Panda**, Jyostna Jena., Trupti Das and Nalini Bihari Das – "Exploring sustainable technique on natural dye extraction from native plants for textile: Identification of colourants, colourimetric analysis of dyed yarns and their antimicrobial evaluation", *Journal of Cleaner Production* 37, 257-264 (2012). **[IF - 6.27]**

RESEARCH GRANTS

1. Role of C-Terminal Domain of M. Tuberculosis Small Heat Shock Protein Hsp16.3 for Its Structure, Stability and Chaperone Function Under Thermal Stress – **Project Investigator (Funding Agency: UGC – INR 10 Lakhs, 2022-24)**.
2. Design and Synthesis of imidazo (1,2-a) pyridine based hybrid molecules using Palladium catalyzed cross coupling reaction and its antimalarial activity evaluation– **co-Project Investigator (Funding Agency: DST Odisha – INR 10 Lakhs, 2023-25)**.

SERVICES

1. Guest Associate Editor in *Frontiers in Molecular Biosciences*.
2. Reviewer in *PLoS One* Journal, *Processes*, *Methane*, *Frontiers in Pharmacology*, *Frontiers in Molecular Biosciences*, *Current Traditional Medicine*, *Sustainability* MDPI, *Heliyon*, *International Journal of Biological Macromolecules*
3. Professor in Charge for Spectrofluorometer and UPLC-HRMS/MS in Central Research Facility of KIIT Deemed to be University.
4. Faculty in Charge of Environmental Science Laboratory, School of Applied Sciences, KIIT Deemed to be University.
5. Coordinator for Metal Analysis Laboratory, School of Applied Sciences, KIIT Deemed to be University, Bhubaneswar.

PROFESSIONAL MEMBERSHIPS

1. Life Member of Society of Materials Chemistry, BRNS, India
2. Life member of the Microbiologists Society, India

STUDENT SUPERVISION

1. **DOCTORAL STUDENTS:** 4 (Ongoing), 1 (Awarded)

2. **MASTER STUDENTS:** 1 (Ongoing), 4 (Awarded)

INVITED TALKS/LECTURES

1. **Alok Kumar Panda**-Science Popularization Lecture organized by **Indian Science Congress Association, Bhubaneswar Chapter, Bhubaneswar, Odisha** held on November 2018.
2. **Alok Kumar Panda**-Popular Nobel Lecture Series organized by **KIIT Deemed to be University, Bhubaneswar, Odisha** held on November 2018.
3. **Alok Kumar Panda** – “Socializing the Concept of Carbon Footprint”, ***Human Future in Digital Era, XLII Indian Social Science Congress, Session: Global warming and climate change*** (held at **KIIT Deemed to Be University, Bhubaneswar, Odisha** during December 27-31, 2018). [Chairman Talk]

CONFERENCES/SYPOSIA

Poster Presentations

1. **Alok Kumar Panda** and Ashis Biswas – “Dissecting the Structure-Function Relationship of the C-terminal Region of *Mycobacterium tuberculosis* Hsp16.3: Importance of the C-terminal Extension”, ***The Third International Symposium on Protein Folding and Dynamics*** (held at **NCBS, Bengaluru** during November 8-11, 2016).
2. **Alok Kumar Panda**, Ayon Chakraborty and Ashis Biswas – “Role of the surface mutants on the electron transfer and catalytic activity of endothelial nitric oxide synthase: A new horizon for gene therapy”, ***National Science Day*** (held at **Indian Institute of Technology Bhubaneswar** during February 28, 2016).
3. **Alok Kumar Panda**, Ram. H. Nagaraj and Ashis Biswas – “Role of *in vitro* Acetylation on the Structure and Chaperone Function of alphaA-Crystallin”, ***National Science Day*** (held at **Indian Institute of Technology Bhubaneswar** during February 28, 2014).
4. **Alok Kumar Panda**, Shilpa Shanthakumar, Puttur Santhoshkumar, NagaRekha Pasupuleti, Benlian Wang, Ram H. Nagaraj and Ashis Biswas – “Hydroimidazolone Modification of the Conserved Arg12 on the Structure and Chaperone Function of Small Heat Shock Proteins – A Site-directed Mutagenesis and Biophysical Study”, ***Asia-ARVO 2013 Conference*** (held at **Ashok International Convention & Exhibition Centre New Delhi, India** during October 28-31, 2013).
5. **Alok Kumar Panda**, Sandip Kumar Nandi, Ram H. Nagaraj and Ashis Biswas – “Implications of the Byproducts Derived from Maillard Reaction on the Structure and Chaperone Function of α A-crystallin”, ***National Science Day*** (held at **Indian Institute of Technology Bhubaneswar** during February 28, 2013).
6. **Alok Kumar Panda**, Sandip Kumar Nandi ,Ram H. Nagaraj and Ashis Biswas – “Role of Hydroimidazolone Modifiable Conserved Arginine12 on Structure and Chaperone

Function of Human alphaA Crystallin–A Site Directed Mutagenesis Study”, **National Science Day** (held at **Indian Institute of Technology Bhubaneswar** during February 28, 2012).

7. **Alok Kumar Panda**, Sandip Kumar Nandi and Ashis Biswas – “Effect of Surface Mutants on the Electron Transfer and Catalytic Activity of Endothelial Nitric Oxide Synthase”, **National Science Day** (held at **Indian Institute of Technology Bhubaneswar** during February 28, 2010).

Oral Presentations

1. **Alok Kumar Panda***, Melaku Masresha Woldeamanuel, Soumyaranjan Senapati, Shibani Mohapatra and Prasanta Rath*, Sandip Kumar Nandi and Ashis Biswas – “Ethnobotanical study of medicinal plants used by traditional healers in environs of Gullele Botanical Garden Addis Ababa, central Ethiopia: A special focus on the antioxidant activity of Echinops kebericho Mesfin”, **International Conference Technological Innovations in Animal Science Research and Social Transformation** (held at **Department of Zoology, Utkal University, Bhubaneswar**, Odisha, India during 24th- 26th February, 2023).

WORKSHOPS

1. “7-days Training cum Workshop as a **Resource person/ Assistant Resource person** on **Advanced Characterization Techniques** funded by **DST-TEC, Govt. of India**” (held at **Bundelkhand University, Jhansi** during December 16-December 22, 2023).
2. “5-days Faculty Development Programme” (held at **KIIT School of Applied Sciences, Bhubaneswar** during June 26-June 30, 2023).
3. “7-days Faculty Development Programme” (held at **KIIT School of Applied Sciences, Bhubaneswar** during June 21-June 27, 2019).
4. “15-days Workshop on **Basic Tools and Techniques in Cell Biology and Immunology**” (held at **KIIT School of Biotechnology, Bhubaneswar** during August 26-September 14, 2019).
5. “5-days Workshop on **Molecular Biotechnology & Bioinformatics**” (held at **International Institute of Information Technology, Pune** during January 17-21, 2011).