



Anshuman Sarangi, PhD.

Associate Professor

Area : Malaria, Immunology, Biochemistry, Clinical microbiology, NBS (New Born Screening), Plant tissue culture.

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Educational Qualification:

PhD	Life Sciences	Utkal University	2017
MPhil	Botany	Utkal University	2012
P.G.Diploma in Clinical Biochemistry and Medical Biotechnology	Clinical Biochemistry and Medical Biotechnology	Utkal University	2000
M.Sc	Life Science	Sambalpur University	1996

Academic Experience:

- **Research Associate** in BIG Project at KIIT-Technology Business Incubator titled "Detection and diagnosis of Urinary Tract Infection through development of a rapid and sensitive non-invasive agglutination method. from August 2016— February 2018.
- Completed PhD in Life Sciences under Professor (Dr) Prakash.Chandra Mohapatra, Former Principal, S.C.B.Medical College Cuttack, presently DMET,Department of Health, Government of Odisha working on the topic" Pathophysiological Roles of Cytokine TNF-alpha,IL-4, IL-12 in Malaria, 2017.
- One Year research experience in **M.Phil** (P.G.Department of Botany, Utkal University) under Prof. P.K.Chand from January 2011- January 2012. [M.Phil thesis title "Hypolipidaemic and hypoglycaemic effects of Withania somnifera root and leaf extracts on streptozotocin induced diabetic rats."]

- Worked as a **Assistant Professor**(Incharge of Biotechnology Laboratory) for the students of M.Sc & BSc Bio-Technology, M.Sc Medical Biotechnology in Trident Academy of Creative Technology (TACT), Bhubaneswar, Affiliated to Utkal University from November 2003 to July 2016.
- Ten Months **Research Experience** from 11.12.2000 to 27.10.2001 in the Department of Pathology, Institute of Medical Sciences, Banaras Hindu University, Varanasi, under the supervision of Dr. Usha, MD, FICN, FICIA (Head, Department of Pathology) working on the topic” HLA typing in patients of end stage renal failure with special reference to kidney transplantation.

Industrial Experience:

- **Manager (Lab)** in DNADVENT Life Science Pvt Ltd, KIIT-TBI, KIIT, Bhubaneswar from March 2018 – May 2020. (Involved in New born Screening)
- **Laboratory Technician** in MEDILAB, Bhubaneswar under Dr N.K.Debata, from December-2001 to October-2003.

Publications:

1] **Sarangi A, Mohapatra PC, Dalai RK** : Serum cytokine levels of IL-12, IL-4 and TNF-alpha in Malaria: A study from the coastal districts of Odisha. **Journal of Cell and Tissue Research**.2011; **11(2):2873-2878**. (Corresponding author)

2] **Sarangi A, Mohapatra PC, Dalai RK**: Oxidative Stress Index (Serum MDA/Serum Vitamin E ratio) in malaria – a correlative study.2011, **Journal of Herbal Medicine and Toxicology**. **5 (2) 97-101**. (Corresponding author)

3] **Sarangi A, Mohapatra PC, Dalai RK**: Serum cytokine TNF-alpha and hemoglobin levels in Plasmodium falciparum malaria - A correlative study in coastal districts of Odisha.2012, **Apollo Medicine**;**9(4),292-296**. [**Elsevier Publications**]. (Corresponding author)

4] **Sarangi A, Mohapatra PC, Dalai RK, Sarangi AK**: Serum IL-4, IL-12 and TNF-alpha in malaria: a comparative study associating cytokine responses with severity of disease from the Coastal Districts of Odisha.,**Journal of Parasitic Diseases**. 2014; **38(2):143-47**. [**Springer Journal**]. (Corresponding author)

5] **Sarangi A, Mohapatra PC, Dalai RK, Sarangi AK**: Sequential Serum cytokine levels of TNF-alpha, IL-4 and IL-12 are associated with prognosis in P. falciparum malaria. **Indian**

Journal of Clinical Biochemistry, Ind J Clin Biochem. 2014; 29(3):321-326 [Springer Journal]. (Corresponding author)

6] **Sarangi A**, Jena S, Sarangi AK, Swain B: Anti-Diabetic Effects Of *Withania somnifera* root And Leaf Extracts On Streptozotocin Induced Diabetic Rats. 2013, **Journal of Cell and Tissue Research.**, **13(1), 3597-3601.** (Corresponding author)

7] S Jena, RC Jena, R Bhol, K Agarwal, **A Sarangi**, P K Sahu, SL Mishra. A Comparative study of the anti-oxidative and anti-diabetic potential of in vitro and in vivo root and leaf extracts of *Withania somnifera* on streptozotocin induced diabetic rats 2016. **Int J Pharm Pharm Sci**, Vol 8, Issue 10, 85-91.

8] Srikanta Panda, Roshni Tirkey, **Sarangi A**. T-cell/histiocyte-rich B-cell lymphoma of spleen: A case report. 2017 ; **Apollo Med**, 2017;14,(1),79-81.(Corresponding author)

9] Srikanta Panda, S. S. Behera, **Sarangi A**. Malignant gastric outlet obstruction: a clinicopathological study in S. C. B. medical college hospital of Odisha, India. **Int Surg J**. 2017 Nov;4(11):3652-3659. (Corresponding author)

10] Srikanta Panda, Roshni Tirkey, Basanta Manjari Swain, Somanatha Jena, Ashok Kumar Sarangi, **Sarangi A**. Acute pancreatitis, its diagnosis with special reference to contrast enhanced CT scan (CECT) and serum enzyme studies: a comparative study in tertiary referral hospital of Odisha, India. **Int Surg J**. 2017 Dec; 4(12):4022-4028. (Corresponding author)

11] Panda S, Lokesh AB, **Sarangi A**. Prognostic significance of glycemic control in burn injury patients: A study in Tertiary Care Hospital of Odisha. **Apollo Med** 2017; 14:160-4. (Corresponding author)

12] Panda S, Mohapatra M, Panigrahi SK, **Sarangi A**, Jena. S. An evaluation of efficacy of Lichtenstein mesh hernioplasty in emergency settings: a study in tertiary care hospital in Odisha. **Int J Res Med Sci**. 2018 May;6(5):1761-1764. (Corresponding author)

13] Panda S, Mohapatra M, Jena UK, Kar PK, **Sarangi A**, Jena S, Sarangi AK. An epidemiological study of burn cases admitted to a tertiary care centre of Odisha. **Int J Community Med Public Health**. 2018 Feb;5(2):616-619. (Corresponding author)

14] Sahoo D, Baral P, Mahapatra SK, **Saranghi A**, Kiran Babu K. Prevalence of enteric pathogens in HIV patients with chronic diarrhoea and their relationship with CD4 count. **Int J Adv Med**. 2018 Dec;5(6):1491-1497. (Corresponding author)

15] Panda S, Samantaray N, Patanaik M, Sahoo D, **Saranghi A**, Jena S. Assessment of Level of Depression and Anxiety in Pre- and Postoperative Stages: A Prospective Cross-sectional Study in SCB Medical College, Cuttack. **Apollo Med** 2019; 16:22-25. (Corresponding author)

Dissertations:

- ❖ Dissertation work on “**Pathophysiological Roles of Cytokine TNF alpha, IL-4, IL-12 in Malaria**” at Department of Biochemistry, SCB Medical College, Cuttack for PhD in Life Science.
- ❖ Dissertation work on “**Hypolipidaemic and hypoglycaemic effects of Withania somnifera root and leaf extracts on streptozotocin induced diabetic rats**” at P.G.Department of Botany, Utkal University for M.Phil.

Other Details:

- Selected for Award of National Scholarship 1992-93 for Post Graduate studies in securing 9th position in Botany.
- Qualified in GATE-98 with a percentile score of 77.74 in Life Science.
- Qualified in GATE-2000 with a percentile score of 84.21 in Life Science.
- Training of One Month Duration in Blood Banking and HIV and HCV screening in Central Red Cross Blood Bank- Cuttack, August-2002.
- Training in Class-I HLA, Class-II HLA typing by complement dependent lymphocytotoxicity method and Serological Crossmatch at the Department of Genetics, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, October-2001.
- Training at Capital Hospital, Bhubaneswar on Clinical Biochemistry, Clinical Pathology, Haematology, Medical Microbiology techniques, May – 2000.

Motivational note:

True knowledge is not attained by thinking. It is what you are; it is what you become.”

Sri Aurobindo.