

## Sah, Ashok K., MSc MLT, PhD-MLT

### BIOGRAPHICAL SKETCH

Ashok K. Sah, PhD, Professor

**Assistant Professor**  
**Department of Medical Laboratory Sciences**  
**College of Allied Health Sciences**  
**A' Sharqiyah University, Ibra Oman**  
**DOB:** Oct1983, **Gender:** Male,  
**Phone:** +91-9540330201  
**E-mail:** [ashok.sah8@gmail.com](mailto:ashok.sah8@gmail.com)



### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	PERCENTAGE (%)	YEAR(s)	FIELD OF STUDY
HNB Garhwal University, Srinagar (UK), India	BSc	71.40	2003-06	Medical Laboratory Technology (Pathology)
HNB Garhwal University, Srinagar (UK), India	MSc	80.40	2011-13	MLT (Pathology with Clinical Biochemistry)
The Glocal University, Saharanpur (UP), India Date of Reg.: 25/11/15, Date of sub: 09/03/19, Viva: 05/10/19, Award Notification/Award Date: 19/10/19	PhD	--	2015-19	Medical Laboratory Technology

### A.PERSONAL STATEMENT

Currently, I am working as an Assistant Professor in the **Department of Medical Laboratory Technology, College of Allied Health Sciences, A' Sharqiyah University, Ibra Oman**. I was a **professor & Program Chair for Postgraduate Research** at the **Department of Medical Laboratory Technology, School of Allied Health Science, Galgotias University (GU), India, Before joining A' Sharqiyah University**. Before GU, I worked as an **associate professor** and Head at **The Neotia University, WB, India**. I worked at the School of Allied Medical Sciences, **IIMT University, Meerut, Uttar Pradesh** from 2021 to Aug-2022. Since Oct 2016, I was an assistant professor at the Department of Medical Laboratory Technology, Amity Medical School, **Amity University Haryana**. Before joining Amity, I was an Assistant professor of medical laboratory technology at the School of Life & Allied Health Sciences, the **Glocal University, Saharanpur** from 2015-2016. I earned my PhD degree from the Glocal University, School of Paramedical Sciences & Research, Saharanpur under the mentorship of **Dr. Md Mahamood**, and **Dr. M V Simha**. During my doctorate, I learned cutting different tools and techniques including microscopy, *spectrophotometry technique, culture and sensitivity, sample preparation, and staining technique*. During PhD work, I studied the morphological identification and microscopy of parasitic infection in human samples. During my masters, I used laboratory techniques such as **ELISA, RIA, PCR, FACS, HPLC, Electrophoresis, eCLIA, Automation (BIORAD, COBAS, SYSMEX, ADVANTUS, ARCHITECT, and SIEMENS), Flow-cytometry**, histo-cytopathological technique, etc. Currently, I

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am involved in a collaborative project to make a compendium of biomarkers, and their application in diagnosis of cancer with Dr. Manoj Kumar Kashyap. Additionally, I am also involved in plasma nucleic acid and its role in the early diagnosis of cancer.

### **Current Areas of Research Interests:**

- Early diagnosis and prevention of cancer
- Nucleic acid biomarkers in plasma/serum for cancerous and non-cancerous samples
- Development of diagnostic tools and techniques for the early detection of diseases
- Diagnosis and prevention of infectious diseases
- Biomarker for early diagnosis of myocardial infarction

### **B. POSITIONS AND EMPLOYMENT**

2024- Present: Working as an Assistant professor at the Department of Medical Laboratory Sciences, College of Applied & Health Sciences, **A' Sharqiyah University**, Ibra, Oman

2023- 2024: Worked as Professor at the School of Allied Sciences (Medical Laboratory Technology), Galgotias University, Greater Noida, UP, India.

2022- 2023: Worked as an Associate Professor and Head at the Department of Medical Laboratory Technology, School of Health Sciences, The Neotia University, Sarisha, WB, India.

2021- 2022: Worked as an Associate Professor at the Department of Medical Laboratory Technology, College of Allied Health Sciences, IIMT University, Meerut, Uttar Pradesh, India.

2021- 2021: Worked as Associate Professor at the Department of Medical Laboratory Technology, School of Paramedical Sciences, Starex University, Gurugram, India.

2016-2020: Worked as an Assistant Professor, at the Department of Medical Laboratory Technology, Amity Medical School, Amity University Haryana, Panchgaon (HR), India

2015-2016: Assistant Professor, School of Life and Allied Health Sciences, Glocal University, Saharanpur (UP), India

2014-2015: Lecturer at Novel College, Kathmandu, Nepal

2013-2014: Research Trainee at Max Super Specialty Hospital, New Delhi, India

2009-2013: Lecturer and Pathology Laboratory head at Unique College of Medical Sciences, Saptari, Nepal

2007-2009: Medical lab technician at Om Hospital & Research Center, Kathmandu, Nepal

2006-2007: Lab Trainee, Institute of Medicine, Tribhuvan University Teaching Hospital, Kathmandu, Nepal

### **C.HONORS/AWARDS/FELLOWSHIPS**

1. First prize for securing highest percentage in master's degree in 2013.
2. **USD100** special grant for presenting the E-paper at "THE LIVER WEEK 2020" which was held on August 13-14, 2020, Seoul, South Korea.
3. **USD 700** travel grant for presenting a paper at "**The Liver Week 2023**" which was held on May 18-20 at Grand Hyatt Incheon, Incheon, South Korea.
4. **USD 700** travel grant for presenting a paper at "**Asian Pacific Association for the Study of the Liver Single Topic Conference (APASL STC) 2023**" which was held on September 21-23, 2023, at BEXCO, Busan, Korea.
5. **USD 1000** Travel grant for presenting a paper in "**Liver Week 2024**" which was held on June 27-29, 2024, at Walkerhill Hotel, Seoul, South Korea.

### **D. RESEARCH EXPERIENCE**

2. **Medanta-The Medicity, Gurugram:** Molecular and Transplant Immunology Lab/Department of Pathology and Laboratory Medicine Under the guidance of **Dr. Aseem Kumar Tiwari** for Jan 2021 to March 2021.

1. **Max Super Specialty Hospital, New Delhi, India**

## Sah, Ashok K., MSc MLT, PhD-MLT

Dissertation, Jan 2014 to Jun 2014 Advisors: Dr. Dilip Kumar & Mr Rajeev Gupta on the topic the retrospective studies of cardiac maker in South Delhi population where is advanced my knowledge on PCR, Flow cytometry, ELISA, Electrophoresis, HPLC).

### E. COMPLETE LIST OF RESEARCH PAPERS:

**Total Citations-159** **H-index-7** **i10-index- 5**

44. Afzal M, Agarwal S, Elshaikh RH, Babker AMA, Ibrahim EA, Choudhary RK, Jaiswal S, **Sah AK** \* (2024). Innovative Diagnostic Approaches and Challenges in the Management of HIV: Bridging basic Science and Clinical Practice. *Life* (Q1). Communicated.
43. Afzal M, **Sah Ak**, et al (2024). Preventing infections and Radiation Exposure: Safety measures for Medical Laboratory technologist and Radiologic Technologist in Hospital Settings. (*JHSMR*) Communicated.
42. **Sah AK et al., (2024)**. "Physical Mental Stress, Behavioral Changes and Professionalism for COVID-19 Nucleic Acid Amplification Test among Laboratory Professionals Performing in Nepal". **Southeastern European Journal Of Public Health. (Accepted). (ISSN: 2197- 5248)**.
41. Rao DS, Agarwal S, **Sah AK** (2024). Metabolic syndrome associated disorders: A review of their pathophysiology, diagnosis, and treatment concerning genetic polymorphisms. **Pakistan Journal of Life and Social Sciences, Communicated, Scopus (Q4)**
40. Afzal Md, Verma A, **Sah AK**, Mushtaq A, Mushtaq I, Kumar H (2024). Exploring the Dynamics of Gram-Negative Uropathogens: Antibiotic Sensitivity and Resistance Patterns in Urinary Tract Infections. **Research in Microbiology (Q2)**, (RESMIC-D-24-00291). (**Accepted**)
39. Afzal Md, Verma A, **Sah AK** (2024). Effectiveness of Public Health Campaigns on Mpox Awareness and Prevention in Rural India: A narrative study. *Infectious diseases in Clinical Practice. (Accepted)*
38. Afzal Md, Verma A, **Sah AK** (2024). Strategies to decolonize uropathogens in urethra and bladder for prevention of Urinary tract infections among pregnant women: A Comprehensive Narrative Analysis. **Urological Science, Scopus (Q4) Accepted.**
37. Afzal Md, **Sah AK**, Sharma A, Tiwari V, Tiwari J (2024). Comparative analysis of diagnostic methods for Chikungunya: Assessing the effectiveness of qualitative RT-PCR and serum IgM antibody detection (anti-CHIK IgM). **Infectious disease in clinical practice, Scopus, (Accepted)**.
36. Afzal M, **Sah AK**, \* Agarwal S, Akifa Tanzeel A, Elshaikh RH, Alobeidli FA , Alfeel AH , Choudhary RK , Choudhary A (2024). Advancements in the treatment of autoimmune diseases: Integrating artificial intelligence for personalized medicine. **Trends in Immunotherapy**, 2024, 8(2), 8970. (ISSN: 2573-5985). doi: 10.24294/ti.v8.i2.2432.
35. Jaiswal S, Sharma B, Lamichhane A, Khanal P, Khatri MB, **Sah AK**, Yadav NK (2023). Association of CRP in HIV infected individuals: A cross- Sectional Study. **Advances in Health Sciences Education, Scopus (Q1)** Communicated.
34. Budhathoki S, Kandel S, Chand D, Kunwar S, Poudel GA, Shrestha RK, **Sah AK**, Jaiswal S, Thakur RK, Nepal R (2024). Evaluation of Inhibitory Action of Bacteriophage against Multi-Drug-Resistant Escherichia Coli. **Microbes and Infectious Diseases**. (ISSN: 2682-4132). DOI: 10.21608/mid.2024.297320.1995
33. Afzal M, Sharma A, **Sah AK**, Chahal (2024). Hematological Parameters among Individuals at Clinical High Risk for Acute Lymphocytic Leukemia. **Iraqi Journal of Hematology**. 13 (2), 1-11. (ISSN: 2072-8069).
32. Jaiswal S, Sharma B, Lamichhane A, Khanal P, Khatri MB, **Sah AK**, Yadav NK (2023). Status of C - reactive protein (CRP) in HIV Infected Individuals: A Case Control Study. **Bull. Env. Pharmacol. Life Sci., 13(1):377-81** (ISSN 2277-1808).
31. Vashistha A, Agarwal S, Panwar G, Kumar V, Sharma P, **Sah AK** (2024). A case report of severe dehydration and complication in a 10-month-old baby girl presenting with Acute Diarrhea in a resource-limited hospital setting. **Journal of Chemical Health Risk**, 14(3): 262-265. (ISSN: 2251-6727).

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30. Sah AK\*, Elshaikh RH, Agrawal S, Jaiswal S, Rao DS, Arora K, Rathore R, Vashishtha A, Bhardwaj N, Y Savari S, Choudhary RK (2024). Procalcitonin as a biomarker for predicting infectious diseases. **Journal of Chemical Health Risk**, 14(3), 432-440. (ISSN:2251-6727).
29. Sah AK\*, Vashishtha A, Johnson J, Arora K, Issar P, Rathore R, Koley R, Jaiswal S, Zahir F, Mahamood Md (2024). Prevalence and epidemiology of intestinal parasitosis among the people of Uttarakhand, India. **African Journal of Biological sciences**. 6(5): 579-596. (ISSN 2663-2187).
28. Rathore R, Srinivasarao D, Vashishtha A, Arora K, Nath N, Issar P, Johnson J, Mahamood Md, Sah AK\* (2022). High Mortality Fungal Co-Infection of Covid 19- Mucormycosis: A Short Review, **Eur. Chem. Bull**, 2023,12(10), 9267-9285, (ISSN 2063-5346).
27. Jaishwal S, Issar P, Panda, Rathore R, Kunwar S, Vashishtah A, Kumar M, Mahamood Md, Tiwari BR, Sah AK\*, (2023). Rheumatoid Arthritis in HIV Infected Individuals: A Cross-Sectional Study, **HIV & AIDS Review**, 22(1):1-7. (ISSN: 1730-1270).
26. A Omer Ibrahim Abbas, Fath Elrahman Mahdi Hassan Gameel, Mahadi H.A. Abdulla, Rabab Hassan Elshaikh, Hisham Ali Waggiallah, Ashok Kumar Sah, Asaad Ma. Babker, (2023). Correlation between Kidd blood group (Jk) and renal function tests in the end stage of chronic kidney disease (ESCKD) patients, **Medical Science**, 27, e67ms2703, (ISSN:2321-7367).
25. Sah AK\*, Vashishtha A, Kunwar S, Kumar M, Mahamood M, (2022). "Enterobius Vermicularis: A First Case Report from Saptari". **South Asian Journal of Parasitology**, 6(1): 24-27.
24. Leena C O, Ajith T A, Simha M V, Sah AK (2021). A gender wise correlation analysis between glycated hemoglobin level and estimated glomerular filtration rate among type 2 diabetes patients. **International Journal of Advances in Medicine**. 8(8):1131-1136. (ISSN: 2349-3933).
23. Tripathi A, Kashyap A, Tripathi G, Yadav J, Bibban R, Aggarwal N, Sah AK, Thakur K, Chhokar A, Verma Y, Zayed H, Husain A, Bharti AC, Kashyap MK, (2021). Tumor Reversion: a dream or a reality. **Biomarker Research**, 9(1):31 (PMID: 33958005, ISSN: 2050-7771, IF-6.15).
22. Mahamood Md, Javed M, Alhewairini SS, Zahir F, Sah AK, Ahmad MI, (2020). Labeo rohita, a bioindicator for water quality and associated biomarkers of heavy metal toxicity. **NPJ Clean Water** (2021) 4:17; (ISSN: 2059-7037, IF-9.3).
21. Pandey B, Pandit M, Jaiswal S, Sah AK, Chand RS, Shrestha R, (2020). Antimicrobial susceptibility pattern of pathogenic bacteria causing urinary tract infection in tertiary care hospital in Kathmandu, Nepal. **International Journal of Pharmaceutical Sciences and Research**,11(12): 1000-09 (ISSN: 0975-8232).
20. Kumar P, Sah AK, Tripathi G, Kashyap A, Tripathi A, Rao R, Mishra PC, Mallick K, Husain A, Kashyap MK, (2020). Role of ACE2 Receptor and the landscape of treatment options from convalescent plasma therapy to the drug repurposing in COVID-19. **Molecular and Cellular Biology**. 476(2):553-574 (PMID: 33029696, IF:4.3, ISSN: 1573-4919)
19. Baduwal M, Hamal DB, Pokhrel S, Adhikari S, Pudasaini S, Jaiswal S, Sah AK, Thakur RK, (2020). Serum Gamma-Glutamyl Transferase and Its Level in Hypertension. **Prog. Chem. Biochem. Res.** 2020, 3(4), 319 -328. (ISSN: 2645-6133)
18. Jaiswal S, Tiwari BS, Sah Ak, Sharma DC (2020). Seroepidemiological investigation of antigen and antibody for the detection of Helicobacter pylori infection in a rural area of Nepal. **Int J Appl Biol Pharm**,11 (2): 71-82. (ISSN: 0976-4550)
17. Shrestha D, Budhathoki S, Pokhrel S, Sah AK, Shrestha RK, Raya GB, Shrestha R, Pasakhala R, Smith C, Dhoubhadel BG. (2019). Prevalence of vitamin D deficiency in pregnant women and their babies in Bhaktapur, Nepal. **BMC Nutrition**. 29; 5:31. (PMID: 32153944, IF-1.59).
16. Praveen NM, Sah AK, Vijayasimha M (2019). Analysis of deferral causes in blood camp conducted by university. **J Pharm Adv Res**, 2(8): 594-597. (E-ISSN: 2581-6160).

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15. **Sah AK\***, Jayaswal RP, Meenakshi, Vijayasimha M (2019). Causes of deferrals during blood donation on healthy people of Gurugram: A cross-sectional study. *Journal of Drug Delivery and Therapeutics* 9(2):83-85. (ISSN: 2250-1177)
14. **Sah AK\***, Jayaswal RP (2019). Occurrence of Anemia among the People of Gurugram, Haryana: A Cross Sectional Study. *Journal of Drug Delivery and Therapeutics* 9(1):202-206. (ISSN: 2250-1177)
13. **Sah AK\***, Jaiswal S, Vijayasimha M (2018). Impact of Human Intestinal Parasitic Infection on People of Dehradun, Uttarakhand, India. *The Pharma Innovation Journal* 7(9): 343-347. (ISSN: 2349-8242)
12. **Sah AK\***, Vijayasimha M, MahamoodMd (2018). The Tulsi, Queen of Green Medicine: Biochemistry & Pathophysiology- A review. *Int. J. Pharm. Sci. Rev. Res, India*. 50 (2): 106-114. (ISSN: 0976-044X)
11. Patel D, Praveen NM, Vijayasimha M, Jayswal RP, Jha RK, **Sah AK** (2017). Transmission of Zika Virus from Infected Mother to Fetus. *World Journal of Pharmaceutical Research* 6(15): 375-384. (ISSN: 2277-7105)
10. **Sah AK\***, Jaiswal S, Tiwari BR, Vijayasimha M, MahamoodMd (2017). Distribution of Intestinal Parasites in People of Bode Barsain, Saptary, Nepal: Across sectional study, *IJRSR*. 8(8): 19080-19082. (ISSN: 0976-3031)
9. Bharti T, Vijayasimha M, Jayaswal RP, Praveen NM, Jha RK, **Sah AK**, Meenakshi (2017). Serum Urea, Uric Acid and Creatinine Levels in Thyroid dysfunctions Patients in Gurgaon, India. *IJRSET* 6(8):15964-15967. (ISSN: 2347-6710)
8. Kumar K, Vijayasimha M, Jayasawal R P, **Sah AK**, Preaveen NM, Jha RK, Meenakshi (2017). Iron Deficiency Anemia in Adult Population of South Delhi Area. *IJRSET* 6(7):14237-14241. (ISSN: 2347-6710)
7. Kaushik N, Praveen N M, Vijayasimha M, Jayaswal RP, Meenakshi, Jha RK, **Sah AK**, (2017). Natural and Technological Based Cosmetics: A Review. *BJPMR, India* 2(3): 557-562. (ISSN: 2456-9836)
6. Kumar C, Vijayasimha M, Jayaswal RP, **Sah AK**, Meenakshi, Jha RK and Praveen MN (2017). Screening Diabetes through Glycated Hemoglobin (HbA1c) in North Indian Population, *EJBPS, India* 4 (7):460-464. (ISSN: 2349-8870)
5. Ahmad R, **Sah AK** (2017). Nitric Oxide Molecule and Human Cancers, *Int J Biochem Physiol*, 1(2):1-8. (ISSN: 2577-4360)
4. Johnson J, Praveen NM, Vijayasimha M, Jayaswal R P, Meenakshi, Jha R K and **Sah AK**, (2017). Analysis of Anti-Mullarian Hormone Value in OPD Patients in North Indian Population. *EJBPS, India* 4(6):482-484. (ISSN: 2349-8870)
3. Praveen NM, Vijayasimha M, Jayaswal RP, Jha RK, **Sah AK**, Patel D, Roy P (2017). Case Study: An Emergency Case Diagnosed with Uncontrolled Hypoglycemia and Glaucomatous was Treated Type 2 Diabetes. *EJBPS, India* 4(5):445-448. (ISSN: 2349-8870)
2. Ahmad R, **Sah AK**, Ahsan H (2016). Biochemistry and Pathophysiology of Glycation of DNA: Implications in Diabetes, Review article. *Arch Clin Biomed Res*. 1: 32- 47. (ISSN: 2572-5017)
1. Ahmad R, **Sah AK**, Ahsan H (2015). Peroxynitrite Modified Photoadducts as possible Pathophysiological Biomarkers: A Short Review. *J Mol Biomark Diagn USA* 6:(6):263. (ISSN-2155-9929)

### F. PATENTS & COPYWRITES:

Sn.	Application No	Title	Inventers	Date of Filing	Status
<b>Patents</b>					
1	202141049230	Sensor based intelligent gadgets for early detection of Heart abnormalities in patients.	Sah AK and others	27/10/2021	Filed
2	202341076972	A comprehensive study and the impact of a clinical pharmacist in the care of cardiovascular disease (cvd) patients.	Sah AK and others	10/11/2023	Filed
3	202411040677	Healthcare management Model Utilizing a Camera Enabled by IoT Devices.	Sah AK and others	24/05/2024	Filed
4	202411041551	Automated Detection and Classification	Sah AK and	28/05/2024	Filed



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		System for Lung Cancer Using Conventional Neural Network.	others		
5	202411042662	Intelligent Model for Automated Malaria Detection using Convectional Neural Networks.	Sah AK and others	01/06/2024	Filed
6.	202411053188	Smart Business Framework for Liver disease detection and Quantification using Integrated data Analytics with VGG19, DenseNet, BERT, NLP and Sensor based solution in Education and Healthcare	Sah AK and others	11/07/2024	Filed
7.	202411062381	Optimizing Supply Chain Management and Enhancing Brain Cancer Diagnosis Using Integrated Blockchain, IoT, and Machine Learning Systems with MRI Imaging	Sah AK and Others	17/08/2024	Filed
8.	202411071121	Smart Deep Learning-Based Diagnostic and Management Model for Identifying and Predicting Bone Degenerative Disorders Using Computer Vision and IoT Sensor Data”,	Sah AK and Others	20/09/2024	Filed
<b>Copyrights</b>					
1	2742/2024CO/L	Algorithm of writing methodology for cross-sectional diagnostic studies.	Sah AK and others	26/02/2024	<b>Registered</b>
2	5837/2024CO/L	Algorithm of writing results for cross-sectional diagnostic studies.	Sah AK and others	28/03/2024	<b>Registered</b>
3	10878/2024CO/L	Multiparametric flow-cytometry protocol for hematological disorders and immunophenotyping.	Sah AK and others	09/04/2024	<b>Registered</b>
4	13868/2024-CO/L	A protocol for enhancing and maintaining the stability of thromboplastin reagent: Semi-automated method (PE & MSTR-SAM).	Sah AK and others	01/05/2024	<b>Registered</b>
5	20469/2024-CO/L	A quick staining method for pleural fluid utilizing both Leishman and Giemsa stains (AQSMFPF-ULGS)”	Sah AK and others	24/06/2024	<b>Registered</b>
6	22371/2024-CO/L	“Algorithm of writing a conclusion for cross-sectional diagnostic study (AWCCDS)”	Sah AK and others	15/07/2024	<b>Registered</b>
7	25009/2024-CO/L	Cervical Cancer Awareness: Questionnaires On Women's Knowledge And Attitudes (CCA-QWKA)	Sah AK and Others	09/08/2024	<b>Filed</b>
8.	156225/2024-CO/L	Fluorescence in situ hybridization procedure flowchart comprehensive step by step guide (FISHPF-CSSG)	Sah AK and Others	21/09/2024	<b>Registered</b>

**G. BOOK CHAPTERS:**

1. Sah AK (2020). **The Tulsi, Queen of Green Medicines: Biochemistry and Pathophysiology**. Trends in Pharmaceutical Research and Development Vol.6, Chapter 12, pp-141-54. **Book Publisher International**, Third Floor, 207 Regent Street, London, W1B 3HH, UK, Fax: +44 20-3031-142, EMP-008-CD (ISBN: 978-93-90206-66-7).

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2. **Sah AK (2024). Unraveling the Intricacies of Malaria: A Dive into the Parasitic World.** Research Trends in Parasitology (Volume - 2). *Akiniki Publications*, New Delhi, India (Accepted).
3. **Sah AK (2024). The Microbiome Frontier: Exploring the Impact of Microbial Communities on Human Health and Disease.** Research Trends in Medical Sciences (Volume - 26). *Akiniki Publications*, New Delhi, India. (accepted).
4. **Sah AK (2024). Potassium in Health and Disease: Potassium Pathophysiology & Clinical Significance,** Editor- **Avia Rosenhouse-Dantsker. IntechOpen-London-United Kingdom. ISBN 978-0-85466-938-7. (Proposal accepted).**
5. **Sah AK et al (2024). Future of AI in Biomedicine and Biotechnology: Future Trends and Challenges in AI for Biomedical Sciences.** Editor- Shankar Khade and Raj Gaurav Mishra. *IGI Global Publishing, USA & India. (Proposal Accepted).*
6. **Sah AK (2024). The Potential of Cancer Biomarkers: From Discovery to Clinical Application- Prognostic Biomarkers: Predicting Disease Outcomes.** Editor- **Pranav Kumar Prabhakar. ELSEVIER (ISBN: 9780443292798). (Proposal accepted).**
7. **Sah AK (2024). Red Blood Cells - Properties and Functions: Clinical Significance of Reticulocytes,** Editor- **Vani Rajashekaraiah. IntechOpen-London-United Kingdom (ISBN: 978-0-85466-598-3). (Proposal Accepted).**

### H. BOOKS:

1. Sah Ashok K, (2019). **Human GI Parasitic Infections and Their diagnostic Technique.** In Urolithiasis 2000. LAP Lambert publishing house, Germany (ISBN-13: 978-620-0-31361-4).
2. Sah Ashok Kumar (2022). **A practical guide for- Immunohematology and Blood Banking Technology.** 1st Edition (2023), **JBD Publisher**, India (ISBN: 97893-92330-17-9).
3. **Sah Ashok K, (2022). Comprehensive MCQ for Medical Laboratory Sciences.** Inerative international Publisher (IIP) India/USA (ISBN:978-93-5747-138-1).
4. Dr. C Balalakshmi, **Dr Ashok K Sah**, Dr Indu B, Dr Chetan Kumar Joshi. (2024). Editor- **Recent applied research in Medical and Life Sciences, Vol. 2.** MKSES, Publications, Lucknow, India (ISBN:978-81-19756-11-8)
5. Sahu D, Gaikward SS, **Sah AK (2024). Text book of Biochemistry.** MKSES Publications, India (ISBN No: 978-81-19746-95-8).
6. **Ashok K Sah**, Richa Gupta, MD, Rajesh Kumar Chaurasia et al. (Editors): **Futuristic Trends in Medical Sciences,** Inerative international Publisher (IIP) India/USA. Volume 3, Book 26, 2024, IIP Series, (ISBN: 978-93-6252-228-3).
7. **Ashok Kumar Sah, A practical Guide for Medical Laboratory Science (Practical Biochemistry and clinical correlations (Accepctd in JBD publisher).**

### I. TEACHING ACTIVITIES:

Course Code	Course (BSc)	Course Code	Course (MSc)
MLT2103	Hematology-I	MLT4114	Advanced Laboratory Technique
MLT2210	General Biochemistry-II	MLT4214	Principles of Biochemistry
MLT2310	Metabolic Biochemistry	MLT4216	Coagulation Biology
MLT2312	Clinical Biochemistry Lab	MLT4215	Clinical Biochemistry Lab Course-I
MLT2407	Hematology-II	MLT4308	Clinical Enzymology

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MLT2408	Diagnostic Biochemistry Lab-I	MLT4309	Advances in Intermediary
MLT2510	Hematology and transfusion medicine	MLT4313	Advanced Chemical Pathology
MLT2405	Clinical Pathology and Cytology	MLT4314	Blood Bank and Transfusion medicine
MLT2108	Hematology-I	MLT2208	Hematology-II
MLT2111	Hematology Lab-I	MLT2211	Hematology Lab-II
MLT2308	Hematology-III	MLT2508	Immunoematology

**J. THESIS (Completed and Ongoing):**

Name of the Program	Name of the Candidate	Status
PhD	Mr Afzal	Ongoing (2023)
	Mr Pankaj Issar	Ongoing (2021)
MSc Medical Laboratory Technology (CB)	Mr. Tinu Rao	Completed (2018)
	Taruna Bharti	Completed (2018)
	Ram Bir Singh	Completed (2020)
	Kajal Arora	Completed (2020)
BSc Medical Laboratory Technology	OgundeleIfeoluwa Boluwantifa	Completed (2017)
	Nikhil Kalara	Completed (2018)
	ShweetaVerma	Completed (2018)
	Moin Khan	Completed (2018)
	Amisha	Completed (2018)
	Pankaj Kumar	Completed (2018)
	Prashant Singh	Completed (2019)
	Mohit Kumar	Completed (2019)
	Ganesh Sharma	Completed (2019)
	Ramesh Bdr Thapa	Completed (2020)
	Suraj	Completed (2020)
	Monika Somra	Completed (2020)
	Jyoyi Bhati	Completed (2024)
	Harsh Tyagi	Completed (2024)
Aman Khan	Completed (2024)	
Deepak Gupta	Completed (2024)	

**K. OTHER ACTIVITIES**

**a) Talks, presentations etc.:**

- (i) Presented paper on “**Modification of Hemoglobin with singlet oxygen**”. International Conference on **Emerging trends in biomedical science**, Department of Biochemistry, AMU Aligarh, India, 6-8th March 2016
- (ii) Presented paper on “**Queen of Green Medicines (Tulsi)**”. National seminar on **Biological Resources- Issues and Solutions** at Uttaranchal College of biomedical Science & Hospital, Dehradun. 28<sup>th</sup> February 2017, page no: 44-45.
- (iii) Presented paper on “**Trend of Biochemical & Biomedical Research**”, Department of Biochemistry, BHU, Varanasi, India, 13-15 February 2018, page-116.
- (iv) Presented paper on ‘**Advances in Zoological Research (ICAZR) and Workshop on Real-Time PCR**’ (9th-10th March 2019), Department of Zoology, Aligarh Muslim University, Aligarh (India).
- (v) Invited talk on “**Best Health Care Practices by Allied Health Professional in Modern Era**” organized by MED Skill Development Educational Society & Starex University, Gurugram, Haryana on 28<sup>th</sup> Sept 2019.
- (vi) Presented paper entitled “**Distribution of intestinal parasitic infections on people of Mussoorie, Uttarakhand**” in **30th National Congress of Parasitology and Global Summit for Malaria Elimination**”, September 26-28, 2019, at JNU, New Delhi.



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- (vii) Presented paper entitled “**Prevalence and epidemiology of intestinal parasitosis among the people of Uttarakhand**” in *Recent advances and challenges in healthcare-2020*, March 14, 2020, at GD Goenka University, Gurugram.
- (viii) Presented paper entitled “**Role of Gut Microbiota in development of human Gastrointestinal Cancer**” in *Recent Advances in Nano Medical Sciences (RANMS-2022)* at Institute of Nano Medical Sciences, Delhi University on 22-23<sup>rd</sup> June 2022.
- (ix) Presented paper entitled “**Criminals are innocent too- A review**” in international conference in *Recent Advance in Health Science and Technology* at School of Health Sciences, The Neotia University, DH, West Bengal, Inida on 27-28<sup>th</sup> Jan 2023.
- (x) Resource person for FDP organized by IIMT University on **24<sup>th</sup> -01<sup>st</sup> May 2023** on the topic “**Professional ethics in multidisciplinary professionals.**”
- (xi) Paper presented at “**The Liver Week 2023**” on 18-20 May 2023 organized by **The Korean Association for the Study of the Liver** at Grand Hyatt Incheon, Incheon, South Korea.
- (xii) Organized International conference as a program coordinator “**International conference on Recent advances on Health Science & Technology 2023**” at School of health Sciences, The Neotia University, DH, West Bengal on 27-28<sup>th</sup> January 2023.
- (xiii) Presented paper at Asia Pacific Association of Study of the Liver Single Topic Conference 2023 (**APASL STC 2023 BUSAN, South Korea**) on Prevalence of Hepatitis B virus Core Antibody in Indian Blood Donors: Implications for Safe Transfusion in BEXCO, Busan, Korea from September 21 to 23, 2023.
- (xiv) Presented paper entitled “**Procalcitonin as a diagnostic Biomarker of Bacterial and fungal disease**” at 4<sup>th</sup> World Environment Summit 2023 organized by Galgotias University, Gr Noida, UP on 4-6<sup>th</sup> October 2023.
- (xv) Presented paper entitled “In treatment-naïve autoimmune hepatitis, serum ferritin levels are linked to progressive liver fibrosis” at “**Liver week 2024**” on **27-29<sup>th</sup> June 2024 at Walker Hill hotel, Seoul, South Korea.**

### b) Editorial Board and review tasks:

- (i) Editorial Board Member of “**Pathology and Laboratory Medicine**” Science Publishing Group, USA (ISSN: 2640-4478).
- (ii) Peer Reviewer of Dove Press “**Pathology and Laboratory Medicine International**” UK (ISSN: 1179-2698).
- (iii) Reviewer member of “**Advances in Science, Technology and Engineering Systems Journal**”. (ISSN: 2415-6698)
- (iv) Reviewer member of “**International Journal of Creative Research Thoughts**” (ISSN: 2320-2882).
- (v) Reviewer member of “**Journal of Engineering Research & Sciences**” (ISSN: 2520-3481).
- (vi) Managing Editor “**Annals of Natural Sciences**” (ISSN: 2455-677X).

### c) Scientific Research Paper reviewed

- (I) An energy metabolism-based eight-gene signature correlates with the clinical outcome of esophagus squamous cell carcinoma (BCAN-D-20-02428R1) by Weifeng Zheng; Chaoying Chen; Jianghao Yu; Chengfeng Jin; Tiemei Han **BMC Cancer (IF-3.5)**.
- (II) Identification of a Glycolysis-Related Gene Risk Model for the Prognosis of Osteosarcoma by Wei Huang, Yingqi Xiao, Hongwei Wang, submitted in **Frontiers in Genetics (IF-3.25)**, section Cancer Genetics.
- (III) Antifungal Effectivity Test of The Ethanolic Extract of Glycine soja (Soybean) Against *Candida albicans* Using In Vitro Method (Manuscript ID: 21M-02-154) submitted in **Advances in Science, Technology and Engineering Systems Journal**.
- (IV) Reviewed the article ID 20M-07-490 with title Spatial Multi-Layer Perceptron Model for Predicting Dengue Fever Outbreaks in Surabaya of Special Issue for **Advances in Science, Technology and Engineering Systems Journal**.

### d) Membership of societies

- **MLT (ASCP<sup>I</sup>)<sup>CM</sup> / IMLT (ASCP<sup>I</sup>) 486 – Dec 2022, USA**
- **American Association of Clinical Chemistry (Trainee Membership ID: 280514)**
- **NHPC- A-283 – Sep2018 (Since 2008)**
- **MELAN -186- Life Time Member (Nepal)**

### e) Professional Training/Courses

- Completed “**Basics of Biomedical Research**” Organized by ICMR-National Institute of Epidemiology (**NIE-ICMR**).

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- Attended “**Multidrug Resistant Tuberculosis: Challenge & Strategies**” held in Amity University, Attended Haryana dated at 20<sup>th</sup> April, 2017.
- Attended “**Managing Stress, Trauma and Health Challenges- ‘Practical Approaches for Eveready Life and Difficult Situations**” by Susan Harris and Harvey Skinner, York University, Faculty of Health, Toronto, Canada held in Amity University, Haryana on 13th Oct 2017.
- Attended “**Advanced Molecular Techniques available to diagnose cancer and infectious diseases**” held in Amity University Haryana, Gurugram dated at 13<sup>th</sup> Feb, 2019.
- Attended One-week workshop on **Microscopy: “Basics to Advanced”** held in held in Amity University Haryana, Gurugram dated at 13 to 17<sup>th</sup> Aug 2020.
- Attended 25<sup>th</sup> International Congress of Clinical Chemistry and Lab Medicine, 25<sup>th</sup> European Congress of Clinical Chemistry and Lab Medicine and 55<sup>th</sup> Congress of Italian Society of Clinical Biochemistry and Clinical Molecular Biology held by Hybrid mode on **21-25 May 2023** in Rome, Italy.

### b) Training & Certificates

- Completed “**NieCer 102: Ethics Review of Health Research**” Organized by ICMR-National Institute of Epidemiology (**NIE-ICMR WHO**): 01/04/2021- 31/07/2021 and Scored 60.5%.
- Attended “**Air quality and Health Issues: The Global Experience**” held in Amity University, Haryana dated 6<sup>th</sup> Nov 2016.

### c) Other expertise

- Expert in computer knowledge (Word, Excel, PPT, and academic software)
- Expert in curriculum design, development, mapping, and other related work
- Expert in academic as well as laboratory work
- Expert in question setter, evaluator and modifier.

### L) References

#### **Dr Manoj Kumar Kashyap, PhD**

Associate Professor  
Amity Stem Cell Institute  
Amity University Haryana  
Contact No: - +91-9759221001, 7387231976.  
Email: - [manojkashyap@gmail.com/mkkashyap@ggn.amity.edu](mailto:manojkashyap@gmail.com/mkkashyap@ggn.amity.edu)

#### **Dr Md Mahamood**

Deanship, Department of Biology  
Qassim University, KSA  
+966532896360  
[mmahamood@gmail.com](mailto:mmahamood@gmail.com)

#### **Dr M Vijaysimha, PhD**

Professor and Head  
School of Health Science  
The Neotia University, WB, India  
[mvsimha@gmail.com](mailto:mvsimha@gmail.com),  
+919717576987