


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

BIOGRAPHICAL SKETCH				
Ashok K. Sah, PhD, Associate Professor				
<p>Associate Professor and HOD School of Allied Health Sciences IIMT University, Meerut Uttar Pradesh- 250001 (INDIA) DOB: Oct1983, Gender: Male, Citizenship: Indian Phone: +91-9540330201 E-mail: ashok.sah8@gmail.com</p>				
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.: 06/10/15, Date of sub: 09/03/19, Viva: 05/10/19, Award Notification/Award Date: 19/10/19	PhD	70.0	2015-19	MLT (Pathology)

A. PERSONAL STATEMENT

Currently, I am working as an **associate professor and HOD** at **Department of Allied Medical Sciences, IIMT University, Meerut, Uttar Pradesh** from 2021. Since Oct 2016, I was an assistant professor at the department of medical laboratory technology, **Amity Medical School, Amity University Haryana**. Prior to 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 Life & Allied Health Sciences, Saharanpur under the mentorship of Dr. Md Mahamood, and Dr. M V Simha. During the doctorate, I learned cutting different tools and techniques including microscopy, *spectrophotometry technique, culture and sensitivity, sample preparation, 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 am involved in a collaborative project to make a compendium of biomarkers, and their application in diagnosis of rare diseases such as male breast cancer with Dr. Manoj Kumar Kashyap. Additionally, I am also involved in plasma nucleic acid and its role in the early diagnosis of cancers.

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 technique for early detection diseases
- Diagnosis and prevention of infectious diseases
- Biomarker for early diagnosis of myocardial infarction

B. POSITIONS AND EMPLOYMENT

- 2021- present: Working as an associate professor at department of Allied Medical Sciences, IIMT University, Meerut, Uttar Pradesh, India.
- 2021- 2021 (6 Months): Worked as Associate Professor at Department of Medical Laboratory Technology, School of paramedical Sciences, Starex University, Gurugram, India.
- 2016-2020: Assistant Professor, 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 (Part time) at Novel College, Kathmandu, Nepal
- 2014-2015: Biochemist at Soorya Diagnostics & Super Specialty Clinic, Itahari, 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, Tribhuban University Teaching Hospital, Kathmandu, Nepal

C.HONORS/AWARDS/FELLOWSHIPS

1. First prize for securing highest percentage in master's degree in 2013.
2. \$100 special grant for presenting the E-paper in "THE LIVER WEEK 2020" which was held on August 13-14, 2020, 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

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-50	H-index-4	i10-index-2
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25. Jaiswal S, Sharma DC, **Sah AK**, Tiwari BR. Rheumatoid Arthritis in HIV Infected Individuals: A Cross-Sectional Study, **The Lencet Rheumatology** (Communicated).

24. **Sah Ak**, Jaiswal S, Mahamood Md, (2022). Prevalence and epidemiology of intestinal parasitosis among the people of Uttarakhand. **International Journal of Pharmaceutical Sciences and Research**, (Communicated).

23. 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

22. 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**).

21. 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**)

20. 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).

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19. 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**. (PMID: 33029696, **IF:4.3**, ISSN: 1573-4919)
18. 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)
17. 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)
16. Praveen NM, **Sah AK**, Vijayasimha M (2019). Analysis of deferral causes in blood camp conduct by university. **J Pharm Adv Res**, 2(8): 594-597. (E-ISSN: 2581-6160).
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, The Netherland** 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, Jayaswal 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, USA** (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. PATENT:

1. Patent entitled “**SENSOR BASED INTELLIGENT GADGET FOR EARLY DETECTION OF HEART ABNORMALITIES IN PATIENTS**” submitted and published, and waiting for examination

Link: <https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

S. No.	Country	Type	Number	Dated
1.	India	OA	202141049230	27/10/2021
	Intellectual property India	Application	202141049230	05/11/2021

G. CHAPTERS IN BOOK:

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).

H. BOOK:

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 K (2022). **A practical guide to Immunohematology, Blood Banking and Transfusion Medicine**. JBD publication (Communicated).

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
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	Immunohematology

J. THESIS (Completed and Ongoing):

Name of the Program	Name of the Candidate	Status
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)

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. 28th 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 28th 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.
- (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.

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).

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^I)^{CM} / IMLT (ASCP^I) 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

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- Completed “**Basics of Biomedical Research**” Organized by ICMR-National Institute of Epidemiology (NIE-ICMR).
- 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 at 6th Nov2016.
- Attended “**Multidrug Resistant Tuberculosis: Challenge & Strategies**” held in Amity University, Attended Haryana dated at 20th 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 13th Feb, 2019.
- Attended One-week workshop on **Microscopy: "Basics to Advanced"** held in held in Amity University Haryana, Gurugram dated at 13 to 17th Aug 2020.

f) 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

L) References

Dr Manoj Kumar Kashyap, PhD

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