

# Dr. Asgar Ali

ASSISTANT PROFESSOR (Biosciences)

## SUMMARY

Molecular oncology researcher with 10+ years of experience in cancer genetics and epigenetics. Strong publication record, international recognition, and expertise in translational research, and diagnostics.

## • QUALIFICATION

- **Ph.D. in Life Sciences (Cancer Genetics):** Devi Ahilya Vishwavidyalaya, Indore / Jamia Millia Islamia, New Delhi
- **M. Sc. in Life Sciences:** Devi Ahilya Vishwavidyalaya, Indore

## EXPERIENCE

- **Assistant Professor (Present):** Center of Distance and Online Education, Jamia Millia Islamia, New Delhi
- **Scientist E:** Department of Biochemistry, All India Institute of Medical Sciences, Patna
- **Senior Program Director:** Department of Biochemistry, All India Institute of Medical Sciences, Patna

## PROJECT(S)

**Research projects as PI:** Expression and clinical significance of PTEN gene in chronic myeloid leukemia (CML) patients in Indian population.

**Funding agency:** SERB-DST

## EDITORIAL & ACADEMIC ROLES

**Associate Editor:** Cancer Immunity and Immunotherapy

- Guest Associate Editor:**
- Cancer Genetics and Oncogenomics
  - Gastrointestinal Cancers: Gastric and
  - Esophageal Cancers and
  - Frontiers in Immunology
  - A J of Biomedical Science & Research
- ❖ Editorial board member: Cancer Research Journal (Science Publishing Group, USA)

## **CONTACT**

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Google Scholar:

<https://scholar.google.com>

## **SKILLS**

- Molecular oncology
- Cancer genetics
- Epigenetics
- Translational research
- Neglected tropical diseases

## **AWARDS**

- Best Science Research Award
- Best poster-oral presentation
- National Post-Doc Fellow, ANRF
- Multiple International Travel Awards, i.e. in Korea and Austria

## **LEADERSHIP**

- Organizer of National and International conferences
- RT-PCR lab expert (COVID-19)
- Public health & translational research

## **TRAINING PROGRAM**

- i. CME at the 19<sup>th</sup> International Congress of Immunology held in Vienna & Austria etc.
- ii. Participated in a Department of Health Research sponsored training program on "Advent of Omics Technologies in Precision Diagnostics and Targeted Therapeutics" conducted by ICMR.
- iii. Attended a Pre-Conference CME on "Meta-Analysis in Evidence-Based Medicine".
- iv. Completed the Comprehensive Education Course in South Korea
- v. Completed training on Next Generation Sequencing provided by Illumina.

# Selected Important Publications

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1. Iniguez E, Priyamvada K, Dubey P, Bindroo J, **Ali A** et al. High seropositivity to rK39 and capture of Leishmania-infected sand flies in Bihar and Jharkhand emphasize the need for post-elimination surveillance of visceral leishmaniasis in India. **J Infect Dis.** 2025.
2. Kot P, Muradov M, Karunamoothei V, Deb R, **Ali A** et al. Novel microwave sensor for quality assurance of indoor residual spraying. **IEEE Sens Lett.** 2025.
3. Saqib U, Pandey M, Vyas A, Patidar P, Hajela S, **Ali A**, et al. Lipoxins as modulators of diseases. **Cells.** 2025.
4. Sharma AK, Nimisha N, Kumar A, Apurva A, Ahmad E, **Ali A**, et al. Role of Notch gene receptors as prognostic biomarkers in colorectal cancer. **Sci Rep.** 2025.
5. Coffeng LE, Vlas SJ, Singh RP, James A, Bindroo J, Sharma NK, **Ali A** et al. Effect of indoor residual spraying on sandfly abundance and visceral leishmaniasis incidence in India: time-series analysis. **Lancet Infect Dis.** 2024.
6. Reid E, Deb R, **Ali A**, Singh RP, Mishra PK, Shepherd J, et al. Molecular surveillance of insecticide resistance in Phlebotomus argentipes in India. **PLoS Negl Trop Dis.** 2023.
7. **Ali A**, Nimisha, Sharma AK, Mishra PK, Saluja SS. Clinical significance of SPOP and APC gene alterations in colorectal cancer. **Mol Genet Genomics.** 2023.
8. Sharma S, Kumari B, **Ali A**, Patel PK, Sharma AK, Nair R, et al. Mannose-binding lectin gene variant and COVID-19 susceptibility. **Mol Genet Genomics.** 2023.
9. Dar GM, Ahmad E, **Ali A**, Mahajan B, Ashraf GM, Saluja SS. Genetic aberrations in mitochondrial complex I and neurological disorders. **Ageing Res Rev.** 2023.
10. **Ali A**, Ahmad E, Verma R, Sahu P, Nimisha, Srivastava S, et al. Multi-omics identification of therapeutic targets in gallbladder cancer. **Brief Funct Genomics.** 2023.
11. Kumar A, **Ali A**, Kapardar RK, et al. Gut microbiota and colorectal cancer. **J Cancer Res Clin Oncol.** 2022.
12. Ahmad E, **Ali A**, Nimisha, Sharma AK, Ahmed F, Dar GM, et al. Molecular approaches in cancer. **Clin Chim Acta.** 2022.
13. Ahmad E, **Ali A**, Sharma AK, Kumar A, Mehdi G, Sattar RS, et al. Molecular markers in cancer. **Clin Chim Acta.** 2022.
14. Deb R, Singh R, Mishra PK, Hitchins L, Reid E, Barwa A, et al. IRS impact on visceral leishmaniasis elimination. **PLoS Negl Trop Dis.** 2021.
15. Verma R, Abdul Sattar RS, Nimisha, Apurva, Kumar A, et al. NGS methodologies in esophageal cancer. **Crit Rev Oncol Hematol.** 2021.
16. Ahmad E, **Ali A**, Fatima MT, Nimisha, Apurva, Kumar A, et al. Nanomedicine in cancer treatment. **Pharmacol Res.** 2021.
17. Sharma S, Ravikirti, **Ali A**, et al. Co-teaching in integrated curriculum. **J Natl Med Assoc.** 2017.
18. Shahzad N, Khan W, Md S, **Ali A**, et al. Phytosterols as anticancer agents. **Biomed Pharmacother.** 2017.
19. **Ali A**, Mehdi SJ, Hajela K, et al. PTEN allelic loss in colorectal carcinoma. **Biomarkers.** 2015.
20. **Ali A**, Mishra PK, Sharma S, et al. PTEN alterations in gallbladder cancer. **Cancer Genet.** 2015.
21. **Ali A**, Saluja SS, Hajela K, et al. PTEN mutations in colorectal cancer. **Mol Carcinog.** 2013.
22. Alyasiri NS, **Ali A**, Kazim Z, et al. PTEN methylation in oral cancer. **Int J Biol Markers.** 2013.
23. Rizvi MM, **Ali A**, Mehdi SJ, et al. PTEN epigenetic alteration in colorectal cancer. **Int J Colorectal Dis.** 2012.
24. Rizvi MM, Alam MS, Mehdi SJ, **Ali A**, et al. PTEN loss in cervical carcinoma. **Pathol Oncol Res.** 2012.
25. Alam MS, **Ali A**, Mehdi SJ, et al. HPV typing and apoptosis in cervical cancer. **Tumour Biol.** 2012.
26. Alyasiri NS, Mehdi SJ, Alam MS, **Ali A**, et al. PTEN-AKT pathway in oral cancer. **J Cancer Res Clin Oncol.** 2012.
27. Rizvi MM, Alam MS, **Ali A**, et al. PTEN methylation in cervical carcinoma. **J Cancer Res Clin Oncol.** 2011.

## Books / Chapters

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- **Book title:** Cancer Targeted Immunotherapy in the Era of Precision Medicine. (ISBN 978-1-83968-868-3). DOI: <http://dx.doi.org/10.5772/intechopen.95854>
- **Chapter title:** Advances in Adoptive cellular therapy (ACT).  
Authors: Rajesh Kumar Yadav, Bandana Kumari, Pritanjali Singh, **Asgar Ali**, Sadhana Sharma and Krishnan Hajela

## Professional Memberships

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- Life Member, National Academy of Medical Sciences (India), No. NAMSCON0122ST
- Life Member, Indian Academy of Biomedical Sciences (IABS), Ref. No. 439/24
- Life member, The Indian Society for Atherosclerosis Research (ISAR), No. LM: 3888.
- Life member, Indian Immunology Society (IIS), LM/IIS/758/10/18.
- Annual member, International Association of Oncology (IAO), SM68210493

## Reviewers

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1. Pharmaceutical Biology; 2. Gene Therapy; 3. Genetics Research; 4. Genomics Data; 5. Journal of Basic and Clinical Physiology and Pharmacology; 6. Journal of Pharmacy and Bioallied Sciences; 7. PLOS Neglected Tropical Diseases; 8. Heliyon; 9. Critical Reviews in Oncology/Hematology; 10. International Journal of Biological Macromolecules; 11. Frontiers in Nanotechnology; 12. Inorganic Chemistry Communications; 13. Renal Failure; 14. Cancer Treatment and Research, Communications.

## Presentations (Invited Talk)

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Oral (13) and Poster (14)

Total 27 (foreign visit includes (Brazil, South Korea and Austria))