

ALIABBAS A. HUSAIN

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Aiming to scale heights in Research & Development in Microbiology with an organization of repute.

Personal Details

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Academia

- ↵ Undergoing Ph.D in CIIMS. Topic of synopsis, "Heterologous prime boost immunization approach using experimental animals (mice) to improve the efficacy of vaccine against TB.
- ↵ M.Sc. in Microbiology from Post Graduate Teaching Department of Microbiology affiliated to Nagpur University with 67.1% in 2008.
- ↵ B.Sc. in Microbiology, Biotechnology, Chemistry) from Sindhu Mahavidyalaya, Nagpur with 75% in 2006.
- ↵ HSSC with 72.83% from Maharashtra Board in 2004.
- ↵ SSC with 74.6% from Maharashtra Board 2002.

Current Research Areas

- ↻ Working on increasing the efficacy of current TB vaccine, BCG
- ↻ Using BCG in heterologous regimes with other novel M.Tuberculosis antigens in animal models
- ↻ Screening of potential new antigens for vaccine efficacy in cell line and animal models
- ↻ Development of animal model of TB.
- ↻ Screening of latent TB form active TB from areas of high TB endemic zones
- ↻ Identification of biomarkers in TB vaccination
- ↻ Identification of biomarkers for differential diagnosis of latent and active TB using proteomic tools
- ↻ Evaluating Diagnostic Kits for Latent and active TB infection

Professional Appointments

- Worked as Research Assistant in Biochemistry Research laboratory, Central India Institute of Medical Sciences, (CIIMS) Nagpur, from Feb 2009-Oct 2011.
- Currently working as Senior Research Fellow in Central India Institute of Medical Sciences (CIIMS) Research Lab, Nagpur

Publications

1. Rajpal S. Kashyap, Amit R. Nayak, Hari M. Gaherwar, Shraddha S. Bhullar, **Aliabbas A. Husain**, Seema D. Shekhawat, Ruchika K. Jain, Sonali S. Gaikwad, Ashish R. Satav, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Daginawala . Laboratory investigations on the diagnosis of tuberculosis in the malnourished tribal population of Melghat, India. **Plos One** 2013,vol 8:9-.e74652
2. Ruchika Jain, Amit Nayak, **Aliabbas Husain**, Milind Panchbhai, Nitin Chandak, Hemant Purohit, Girdhar M. Taori, H. Daginawala and Rajpal Singh Kashyap. Mycobacterial dormancy regulon protein Rv2623 as a novel biomarker for the diagnosis of latent and active tuberculous meningitis. **Disease Markers**, 2013, 35;1–6
3. **Aliabbas A. Husain**, Hatim F. Daginawala, Hemant J. Purohit, Girdhar M. Taori, Rajpal S. Kashyap. Assessment of immune response to culture filtrate antigens of M. tuberculosis Culture Using invitro PBMC Model: Prospects to New Vaccine development. **Euro. J. Exp. Bio.**, 2013, 3(3):35-42
4. **Aliabbas A. Husain**, Hatim F. Daginawala. , Dewanand R. Kalorey, Amit R. Nayak, Hemant J. Purohit, Girdhar M. Taori, Rajpal S. Kashyap. Proteomic approach to identify surrogate biomarker for evaluation of efficacy after prime boost vaccination. INDIAN JOURNAL OF APPLIED RESEARCH 2013, 3: 452-5
5. Rajpal S. Kashyap, Amit R. Nayak, **Aliabbas A. Husain**, Hari M. Gaherwar, Hemant J. Purohit, Girdhar M. Taori, Hatim F. Daginawala.

Tuberculosis in India: The Continuing Challenge. Review Article
Accepted for publication in Current Science 26th March 2013

6. Anju S. Rajan, Rajpal S. Kashyap, Seema D. Shekhawat, **Aliabbas A Husain**, Hemant J Purohit, Girdhar M Taori & Hatim F Daginawala. Relationship between Hsp 65 and IL-12, IL-10 profile in TB patients. A preliminary study. Future indications in vaccine design. IIOAB journal -2011
7. **Aliabbas A Husain**, Rajpal S Kashyap, Devanand R Kalorey, Shubhangi R Warke, Hemant J Purohit, Girdhar M Taori and Hatim F Daginawala. Effect of repeat dose of BCG vaccine on humoral response in mice model. Indian J Exp Biol. 2011 Jan; 49(1):7-10
8. Rajpal Singh Kashyap, **Aliabbas A Husain**, Shweta H Morey, Milind S. Panchbhai, Poonam S Deshpande, Hemant J Purohit, Girdhar M Taori, Hatim F Daginawala. Assessment of immune response to repeat stimulation with BCG vaccine using *in vitro* PBMC model. Journal of Immune based Therapies and Vaccine, 2010, 8:3.

Awards and fellowships

- Travel award to attend sixth annual conference on vaccine research, Maryland, Baltimore-USA, May 2011
- Awarded Senior Research Fellowship, from Indian Council of Medical Research, Govt. of India

National/International Conference

- ↗ International Conference on Innovations in Biotechnology and their Applications, Global Sustainable- 2nd Biotech Congress (2006) as an Active Member of Registration and Transportation Committees from 18th-21st Dec 2006.
- ↗ As a Faculty member in Symposia on CNS infection organized By CIIMS, Feb 2009
- ↗ As a Faculty member in CME in immunology organized by CIIMS, August 2010
- ↗ Attended 5th world Congress on cellular and molecular biology, Indore, November 2009
- ↗ Attended CPCSEA National Conference, New Delhi, January 2010
- ↗ Attended International conference for biotechnology for better tomorrow (BTBT-2011), conference, February 2011, Aurangabad, India
- ↗ Attended International symposium on OMICS approach to microbes, February 2011 at NEERI, Nagpur
- ↗ Attended Conference on Art of scientific paper writing, October 2011 at New Delhi, India
- ↗ Attended International conference on Microbial technology on sustainable development, November 2011 at Chandigarh, India
- ↗ Attended national symposia on Immunology, Hislop college, Nagpur
- ↗ Attended UGC sponsored National conference in Microbiology for sustainable development, Nagpur
- ↗ Attended International Conference on Technological Challenges in Developing Affordable In-Vitro Molecular Diagnostics, 11-14th March 2012, Navi Mumbai.

- ↵ Attended 82nd Annual meeting of Society of Biological Chemist and national symposium on Chemistry and biology: two weapons against disease. November -2012, Kolkata.
- ↵ Attended National conference on Tuberculosis and Chest diseases (NATCON-2012), organized by tuberculosis association of India, 8-10th February, Patna.
- ↵ Attended National conference on Biomarkers in Health and Diseases, organized by National Institute of Miners health, February 2013, Nagpur.
- ↵ Attended 83rd Annual meeting of Society of Biological Chemist, at Hyderabad, 2013 India

Workshops attended

- Faculty in 5 workshops on “Immunological Molecular and Animal cell Culture technique” organized by Central India Institute of Medical Sciences, Bajaj Nagar Nagpur Between June 2009 to June 2013.
- Attended workshop in molecular, immunological, and animal cell culture in Ciims hospital, Nagpur. Received hands on training in DNA isolation, PCR, ELISA, SDS and Native PAGE Electrophoresis.
- Attended workshop on care, breeding and management of laboratory animals in Nagpur vetenary college and shree farms bandhara

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Dated : 13/01/2014