

CURRICULUM VITAE

Personal information:

Name: Muhammad Sharif Hasni, PhD

Date of birth: April 03-1981

Nationality: Pakistani

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Objective:

To acquire a challenging position in my scientific career in the Biosciences, Biochemistry, Molecular biology, and Biomedicine Academia/Industry to improve people's health. Where will utilize my skills, intelligence, and expertise to achieve advancement of the organizations and competence of the profession

Current: Controller of Examination (BPS-20) since 20th May, 2024 at University of Balochistan, Quetta, Pakistan.

Director: Since 19th January 2024 at Institute of Biochemistry, University of Balochistan, Quetta

Associate Professor (BPS-20) Since 31st March, 2021 at Institute of Biochemistry, University of Balochistan Quetta

Research interests: Cancer Biology (Lymphoma and Leukemia), Nuclear receptors, Epigenetics, Human Genetics

Work experiences:

- October, 2023- To May, 2024: **Coordinator MPhil/PhD** Programme at Institute of Biochemistry, University of Balochistan, Quetta
- May 2022—September 2022: **Director** at Institute of Biochemistry, University of Balochistan, Quetta
- January 2016 – July 2017: **Postdoctoral fellow** at the Department of Hematology and Transfusion Medicine Lund University Sweden
- August 2015-November 2015: **Research assistant** at the Department of Bioscience and Nutrition, Karolinska Institutet Stockholm Sweden.
- January 2011- June 2015: **PhD student in Cancer Biology** with Professor Sam Okret at department of Bioscience and Nutrition, Karolinska Institutet Stockholm Sweden.

- April 2009 – October 2009: **Master thesis student** at the Laboratory of Molecular Microbiology Biology, with the Professor Ute Römling in the Tumor biology Department of Karolinska Institutet Stockholm Sweden
- March 2007-March 2021: **Lecturer in Biochemistry** University of Baluchistan Pakistan
Job responsibilities:
 Conduct the Biochemistry Lab Experiments of B.S (Bachelor 4 years, Master of Science) and supervision of MPhil students
 Teaching of different subjects to M.Sc (Master of Science) B.S (Bachelor 4 years) and M.Phil
- July 2006 – March 2007: **Research Fellow/Research Associate** at Agricultural Research Centre Islamabad, Pakistan
Job responsibilities:
 Conduct fattening trial of different breeds of sheep, Maintain the record, Collect the data from different Experimental sites and Conduct Seminars for farmer awareness about feed importance

Education:

- **Postdoctoral fellow** (2017) at Department of Hematology and Transfusion Medicine Lund University Sweden
- **PhD in Cancer biology** (2015) at the Karolinska Institutet Stockholm Sweden
Title of the thesis: Estrogens and lymphoma growth
- **Second cycle degree:**
MS in Biomedicine (2009) at University of Skövde Sweden Courses: Tumor Biology, Pharmacology, Genomics, Protein Biochemistry, Histopathology, and Experimental design.
Master thesis: Occurrence and function of the heat shock protein Hsp20 in Pseudomonas aeruginosa strains (30hp)

Lab Work:

1. Preparation of chromosome from tumor culture cell.
2. Histopathological study of colon rectal cancer.
3. Vitamin D and prevention of prostate cancer.
4. Up regulation of Hif-1 in endometrial tumor with down regulation of Gpx3.
5. Extraction of alpha amylase from Fig.
6. Fattening trials of different breeds of Sheep.
7. Overexpression of mutant NALP3

MSc in Biochemistry (2006) in institute of Biochemistry University of Baluchistan Pakistan Courses: Biochemistry, Molecular Biology, Immunology, Clinical Biochemistry, Bio-analytical Chemistry, Bio-organic Chemistry, and Metabolism

- **First cycle degree:**

BSc in Biology (2003) at University of Baluchistan Pakistan Courses: Zoology, Cell biology, Botany, Organic chemistry, Physical chemistry and Inorganic Chemistry

Academic Promotional Activities/Administrative responsibilities

1. Member of the Departmental Admission Committee (DAC) since June, 2022
2. Nominee of Chancellor for Academic Council from September 2019 to September 2022
3. Member of the Departmental Semester Committee (DSC) since March 2017
4. Member of the Departmental Board of Studies since 2022
5. Member of Board of Faculty since 2022
6. Member of Linkages program since 2022
7. Chairman of Board of Studies
8. Member of Board of Research

Completion certificate: PhD Supervision Capacity Building program under “Pak-UK Education Gateway project” as **Master Trainer**

Technical expertise:

Nucleic Acids Isolation, Immunofluorescence Microscopy, PCR, Real-Time PCR, Immunohistochemistry, Cell Proliferation Assays, Cell Culture, Western blotting, Flow Cytometry, Tunnel Assay, Chromatin immunoprecipitation and Animal handling

Research and Development:-

Grants:

- University of Balochistan Research Fund (UBRF) worth 23, 86474 PKR, 2021 (Awarded)
- Joint Research project between NFSC (China) and PSF (Pakistan) 39, 97500 PKR, 2022 (In process)

Supervision (MPhil, PhD Students):

NOs	Name of student	Status
1	Sumbal Sajid (MPhil)	Completed in 2018
2	Samreen Shabir (MPhil)	Completed in 2019
3	Mir Chakar Rahim (MPhil)	Completed in 2020
4	Wajid Ali (MPhil)	Completed in 2020
5	Saeeda Khanum (MPhil)	Completed 2021
6	Zainab Anees (MPhil)	Completed 2022
7	Shamsuddin Iqbal (MPhil)	Completed 2024
8	Muhammad Sharif Jamali (MPhil)	Completed 2023
9	Fareeda (MPhil)	Thesis Submitted
10	Abid Ali (MPhil)	Thesis submitted
11	Sohail Ahmed (PhD)	Research in progress
12	Muhammad Javed Khan (PhD)	Research in progress
13	Ms. Nighat Noor (MPhil)	Research in progress
14	MS. Rukhsar (MPhil)	Research in progress
15	Ms. Aneela Hazoor (MPhil)	Research in progress

Publications:

- FU Khan and **MS Hasni** et al, Clinical and genetic investigation of 14 families with various forms of short stature syndromes. **Clinical Genetics, 2024**
- M J Khan, A Abdullah, P Iqbal, H Khan, M Bilal, S Ahmed, A Zaman, K Ullah, **MS Hasni**, I Ullah, E K Mis, S A Lakhani and W Ahmad. A Novel Variant in the Cytotail of SMO Underlying Isolated Postaxial Polydactyly. **Molecular Syndromology, 2024**
- S Iqbal, **MS Hasni**, Y Malik, S Baloch and R Aamir. Halophilic Fungi: Versatile Microorganisms for Biotechnological Advancements. **Pak-Euro Journal of Medical and Life Sciences, 2023**
- M Bilal H Khan, H Khan, S Ahmed; A Zaman; K Ullah; **MS Hasni**; I Ullah; E K Mis; S A Lakhani and W Ahmad. Variants in EFCAB7 underlie nonsyndromic postaxial polydactyly. **European Journal of Human Genetics, 2023**

- S Rahim, K Hasni, AH Baloch, A Nawaz, C Wajid, S Tariq and **MS Hasni**. Variation Analysis of *Acanthopagrus latus* found in the costal belt of Lasbela by using Mitochondrial DNA, D- Loop region. **Advancements in Life Sciences, 2023**
- L. Gurganari, G. Dastagir, R.Mushtaq, S.Khwaja,S .Uddin and **M. S. Hasni** Assessment of Heavy Metals in Cyprinid Fishes in the rivers of District Khuzdar Balochistan Pakistan. **Brazilian Journal of Biology, 2022**
- MA Qadir, N Rashid, MA Mengal, **MS Hasni**, GM Khan, NA Shawani, I Ali. Iron-Deficiency Anemia in Women of Reproductive Age in Urban Areas of Quetta District, Pakistan. **BioMed Research International 2022.**
- N Rashid, M Shafee, S Iqbal, A Samad, SA Khan, **MS Hasni**, ZU Rehman, S Ullah, FU Rehman, GI Khan, S Ahmad, A Akbar. Enterotoxigenic methicillin resistant *Staphylococcus aureus* contamination in salted fish from Gwadar Balochistan. **Brazilian Journal of Biology, 2021.**
- A. Scialdone, S. Khazaei, **M.S Hasni**, A. Lennartsson, U. Gullberg, K. Drott Depletion of the transcriptional coactivators CREBbinding protein or EP300 downregulates CD20 in diffuse large B-cell lymphoma cells and impairs the cytotoxic effects of CD20 antibodies. **Experimental Hematology, 2019**
- **M.S Hasni** and K. Yakimchuk. Expression and effects estrogen receptors in chronic lymphocytic leukemia. **Anticancer, 2019**
- A. Bano, J. Hussain, A.Akbar, K. Mehmood, M. Anwar, **M.S Hasni**, Sami ullah, S. Sajid and I.ALi . Biosorption of heavy metals by obligate halophilic fungi. **Chemosphere, 2018** (IF: 4.4)
- A. Scialdone, **M.S.Hasni**, J.K.Damm,A.Lennartsson, U.Gullberg and K. Drott Dissection of the epigenetic regulation of CD20 in chronic lymphocytic leukemia in vitro and in vivo **Oncotarget,2017** (IF: 5.1)
- L.Chen, **M.S.Hasni**, M. Jondal and K.Yakimchuk. Modification of anti-tumor immunity by tolerogenic dendritic cells. **Autoimmunity, 2017** (IF: 3)

- T. Zhuang, S. Yu, L. Zhang¹, H. Yang, X. Li, Y. Hou, Z. Liu, Y. Shi, W. Wang, N. Yu, A. Li, X. Li, X. Li, G. Niu J. Xu, **M.S. Hasni**, K. Mu, H. Wang and Jian Zhu SHARPIN stabilizes estrogen receptor α and promotes breast cancer cell proliferation. **Oncotarget**, **2017 (IF: 5.1)**
- **M.S. Hasni**, M. Berglund, K. Yakimchuk, J. Guan, R.M. Amini, G. Enblad and S. Okret. Estrogen receptor β expression is associated with better overall survival in patients with diffuse large B-cell lymphoma. **2016 Leukemia and lymphoma. (IF: 3)**
- C. Lee, E. Wigren, J. Trček, V. Peters, J. Kim, **M.S. Hasni**, M. Nimtz, Y. Lindqvist, C. Park, U. Curth, H. Lünsdorf and U. Römling A protein quality control mechanism might contribute to survival of world-wide distributed *Pseudomonas aeruginosa* clone C strains in environmental and clinical niches. 2015. **Environmental Microbiology (IF: 5)**
- K. Yakimchuk, **M.S. Hasni**, J. Guan, M.P. Chao, B. Sander, S. Okret Inhibition of lymphoma vascularization and dissemination by estrogen receptor β agonists. **2014. Blood**
- K. Yakimchuk, L. Chen, **M.S. Hasni**, S. Okret and M. Jondal. The selective impact of transgenically expressed glucocorticoid receptor on T cells. **2014. Autoimmunity (IF: 3)**
- K. Yakimchuk, M. Iravani, **M.S. Hasni**, P. Rhönnsd, S. Nilsson, M. Jondal and S. Okret: Effect of ligand-activated estrogen receptor beta on lymphoma growth in vitro and in vivo. **2011. Leukemia**
- Z. Anees, A. Gul, M. Anees, **MS. Hasni** and N.Y. Khan. Epidemiological features of esophageal carcinoma in Pakistan. **Pak-Euro Journal of Medical and Life Sciences**, **2022**
- SA Kashani, I. Ali, **MS Hasni**, M. Asrar, J. Ahmad and MZ Shahzad: Nutritional and Anti-nutritional study of *Juniperus Excelsa* (M. Bieb) of Ziarat Balochistan. **Environ Sci Ecology**, **2020**
- A. Gul, H. H. Tareen, Z. Anees; Z. Huma; H. Zahid; S. Nabi; N. Y. Khan; M. F. Jakhar; G. Laila; M. Marri; A. Malik; T. Naz and **MS Hasni**. Incidence of chronic liver disease and hepatocellular carcinoma in patients attending tertiary care hospitals of Quetta, Pakistan. 2022, **La Presse Médicale**.

Poster and oral presentations in conferences and meetings

- Nuclear receptor signaling in physiology and disease, Island of Spetses, Greece August 28-September 2, 2011
- Therapeutic Potential of ER β as Drug Target Stockholm Sweden, 16,17 May 2011
- micrRNA and other ncRNAs in health and disease international symposium 6th November 2012
- 19th Annual Scientific Research Meeting: September 27-28, 2013 stockholm, Sweden
- KI Cancer Retreat September 30-October 1, 2013
- 9th NCRI Cancer Conference, November 3-6, 2013, Liverpool UK
- Nov2k Future of Science and Medicine 21-22 Nov 2013, Stockholm Sweden.
- 3rd Swedish Cancer Research Meeting at Karolinska Institutet, Aula Medica, September 2-3, 2014, Stockholm Sweden
- XIII International Conference on Nuclear Receptors and Diseases January 8- 9,2015, Singapore
- International Summer School for Postgraduates August 2nd-14th, 2015 Northeastern University, Shenyang China
- 3rd Invention to Innovation Summit Balochistan, April 2, University of Balochistan, Pakistan
- 2nd National Conference on Bioactivity of Phytochemicals (NCBP), November 13th-15th, 2018, the University of Lahore, Pakistan
- Organized ENDNOTE workshop for research students At Institute of Biochemistry with collaboration PASTIC, July, 2022 at University of Balochistan, Pakistan
- As Speaker Biosafety Workshop at the Department of Chemistry, Sardar Bahdar Khan Women, 's University
- PhD Supervisors Capacity Building Programme 2023 organized by Higher Education Commission of Pakistan

Awards:

- Awarded scholarship for MS leading to PhD Sweden
- Best Poster prize award at Nov2k - Future of Science and Medicine 21-22 Nov 2013

References:

- Professor Emeritus Sam Okret Department of Bioscience and Nutrition, Karolinska Institutet, Sweden. E-mail: sam.okret@ki.se
- Dr. Kristina Drott Associate Professor Department of Haematology and transfusion medicine Lund University, Sweden. E-mail: kristina.drott@med.lu.se
- Dr. Farasat Zaman Associate Professor Department of Woman and Child Health, Karolinska Institutet, Sweden. Email: farasat.zaman@ki.se
- Professor Ashif Sajjad Institute of Biochemistry, University of Balochistan Pakistan. Email: ashifsajjad@hotmail.com

