

**Personal Details:**

**Name:** Raja Amir Hassan Kuchay  
**Designation:** Assistant Professor (II)  
**Address:** Department of Biotechnology  
**(Corresponding)** School of Biosciences and Biotechnology  
BGSB University, Rajouri, J&K, India  
**Permanent:** Hyderpora, Srinagar, J&K  
**E-mail:** kuchayamir@bgsbu.ac.in

**Academic Qualification:**

<b><u>Degree</u></b>	<b><u>Year</u></b>	<b><u>Subject</u></b>	<b><u>University/Institution</u></b>	<b><u>Remarks</u></b>
Ph.D	2012	Biochemistry	Panjab University, Chandigarh	Awarded
M.Sc	2007	Biochemistry	Aligarh Muslim University	Distinction
B.Sc	2005	Biochemistry	Kashmir University	A
12 <sup>th</sup>	2002	Science	JK BOSE (Tyndale Biscoe School)	Distinction
CSIR NET-JRF	2008	Life Science	CSIR	Qualified

**Research Interests:**

- Human Genetics; Neurodevelopmental Disorders; Tribal Health; Clinical Biochemistry; Gastrointestinal and

**Selected Publications: (See Annexure on List of Publications)****Students Enrolled Currently:**

- Ph.D: 03 Students (One Awarded)
- M.Phil.: 01 Student (Awarded); PG Dissertations: 31 (Completed)

**Teaching and Research Experience:**

<u>S.No</u>	<u>Position</u>	<u>University/Institute</u>	<u>From</u>	<u>To</u>	<u>Total Tenure</u>
1	Assistant Professor	BGSBU (Department of Biotechnology, CBS)	20/08/2014	Present	11 Years
2	Lecturer	University of Kashmir (Department of Clinical Biochemistry)	01/07/2013	19/08/2014	(Two Sessions)
3	Junior Research Fellow	PGIMER, Chandigarh	01/12/2007	01/11/2008	11 Months

### Publications:

- Mir YR, Agrahari AK, Hassan A, Choudhary A, Asthana S, Taneja AK, Nawaz S, Ilyas M, Scotti C, **Kuchay RAH (2024)**. Identification and structural characterization of a pathogenic ARSA missense variant in two consanguineous families from Jammu and Kashmir (India) with late infantile metachromatic leukodystrophy. *Mol Biol Rep.* 28;51(1):30.
- Ramzan M, Duman D, Hendricks LCP, Guo S, Mutlu A, Kalcioglu MT, Seyhan S, Carranza C, Bonyadi M, Mahdiah N, Yildirim-Baylan M, Figueroa-Ildefonso E, Alper O, Atik T, Ayral A, Bozan N, Balta B, Rivas C, Manzoli GN, Huesca-Hernandez F, **Kuchay RAH**, Durgut M, Bademci G, Tekin M (2023). Genome sequencing identifies coding and non-coding variants for non-syndromic hearing loss. *J Hum Genet.* doi: 10.1038/s10038-023-01159-9. Epub ahead of print.
- **Kuchay RAH (2024)**. Novel and emerging therapeutics for antimicrobial resistance: A brief review. *Drug Discov Ther.* 2024 Oct 27. doi: 10.5582/ddt.2024.01063. Epub ahead of print. PMID: 39462601.
- **Kuchay RAH\***, Hassan A, Mir YR (2022). Epigenetics in Eye Development and Ocular Disorders: A Brief Review. *Curr Mol Med.* doi: 10.2174/1566524023666221003102857 [First and Corresponding Author]
- Mir YR, Zeng X, Taneja AK, Hassan A, Sheth J, **Kuchay RAH\*** (2021). Giant axonal neuropathy with novel GAN pathogenic variant in a patient of consanguineous origin from Poonch Jammu and Kashmir-India. *Mol Biol Rep.* 48(2):1607-1614. [ISSN: 0301-4851(print); 1573-4978(web); Indexed; International; IF 2.9; Corresponding Author]
- **Kuchay RAH\***, Mir YR, Zeng X, Hassan A, Namba K, Tekin M (2020). Novel OTOF pathogenic variant segregating with non-syndromic hearing loss in a consanguineous family from tribal Rajouri in Jammu and Kashmir. *Int J Pediatr Otorhinolaryngol.* 2020;130:109831.

[ISSN: 0165-5876(print); 1872-8464 (web) Indexed; International; IF 1.5; **First and Corresponding Author**]

- **Kuchay RAH\***, Mir YR, Zeng X, Hassan A, Musarrat J, Parwez I, Kernstock C, Traschütz A, Synofzik M. (2019). ARSACS as a Worldwide Disease: Novel SACS Mutations Identified in a Consanguineous Family from the Remote Tribal Jammu and Kashmir Region in India. *Cerebellum*. 18(4):807-812. (ISSN: 1473-4222; Indexed; International; IF 3.5; **First and Corresponding Author**)
- Mir YR, **Kuchay RA\***. (2019). Advances in identification of genes involved in autosomal recessive intellectual disability: a brief review. *J Med Genet*. 56(9):567-573. (ISSN: 1468-6244; Indexed; International; IF 6.7; **Corresponding Author**).
- Hassan A, Mir YR, **Kuchay RAH\*** (2022). Ocular findings and genomics of X-linked recessive disorders: A review. *Indian J Ophthalmol*. 70(7):2386-2396. [IF 1.7; **Corresponding Author**]
- Mir YR, Kuchay RAH\* (2021). Trends and Advancements in Glycobiology: Towards Development of Glycan-Based Therapeutics . *The Glycome* (1-33); Apple Academic Press [**Corresponding Author**].
- **Kuchay RA\***. (2020). New insights into the molecular basis of lactase non-persistence/persistence: a brief review DOI: 10.5582/ddt.2019.01079. *Drug Discoveries & Therapeutics* (**First and Corresponding Author**). (Advance Publication) DOI: 10.5582/ddt.2016.01059 (ISSN: 1881-7831; Indexed; International) (IF=NA)
- **Kuchay RA**, Thapa BR, Mahmood A, Mahmood S. (2011). Effect of C/T -13910 *cis*-acting regulatory variant on expression and activity of lactase in Indian children and its implication for early genetic screening of adult-type hypolactasia. *Clinica Chimica Acta*. 412:1924-1930 (ISSN: 0009-8981; Indexed; International) (IF=2.8)
- **Kuchay RA**, Mahmood A, Mahmood S. (2012). Adult-type hypolactasia: A genetic perspective. *Journal of Pediatric Biochemistry*. 2:143-151 (ISSN 1879-5390; Indexed; International) (IF=NA)
- **Kuchay RA**, Anwar M, Thapa BR, Mahmood A, Mahmood S. (2013). Correlation of G/A -22018 single-nucleotide polymorphism with lactase activity and its usefulness in improving the diagnosis of adult-type hypolactasia among North Indian children. *Genes Nutr*. 8(1):145-51 (ISSN: 1555-8932; Indexed; International) (IF=3.5)
- **Kuchay RA**, Bhatia A, Mahmood A, Anwar M, Mahmood S. (2015). Brush border enzyme activity and expression of apoptotic marker genes in lycopene fed rats with 5-Fu induced gastrointestinal mucositis. *Nutrition and Ageing*. 3 :1-8 (ISSN: 1879-7717; Indexed; International) (IF=NA)

- **Kuchay RA**, Thapa BR, Mahmood A, Anwar M, Mahmood S. (2015). Lactase genetic polymorphisms and celiac disease in children: a cohort study. *Annals of Human Biology*. 42(1): 101–104 (ISSN: 0301-4460; Indexed; International) (IF=1.7)
- **Kuchay RA**, Thapa BR, Mahmood A, Mahmood S. (2015). Screening for lactase persistence associated genotypes in cattle domestication groups of northern India. *Mediterranean Journal of Nutrition and Metabolism*. 8:61–66 (ISSN: 1973-798X; Indexed; International) (IF=NA)
- Rashid A, **Kuchay RA**. (2016). A Review on Phyto-Pharmacological Potentials of *Juniperus recurva*. *J Exp Integr Med*. 6(2): 93-97 (ISSN: 1309-4572; Indexed; International) (IF=NA)
- **Kuchay RA**. (2016). A review of complementary therapies for chemotherapy induced gastrointestinal mucositis. *Drug Discoveries & Therapeutics*. (Advance Publication) DOI: 10.5582/ddt.2016.01059 (ISSN: 1881-7831; Indexed; International) (IF=NA)
- S.T. Salam, **R. Amir**, S.Mahmood (2009). Epigenetic relevance to complex diseases. *Bull.Med.Edu.& Res*.43(2):88-96 (ISSN 0302-2404;Indexed; National; UGC Approved)

#### Research Project as Principal Investigator:

- UGC Start Up Grant (Funded by UGC, Govt. of India, New Delhi; **06Lac**).
- Mission Program on Rare Genetic Disorders (2022-2027; Funded by Department of Biotechnology, Govt. of India, New Delhi; **111 lakhs**)
- Genomics of Neurodevelopmental defects in consanguineous populations (JKSTIC; **6.60 Lakhs**)

#### Conference and Workshops:

- *EMBO Workshop on 'Regulation of Aging and Proteostasis'* February 15<sup>th</sup> -20<sup>th</sup>, 2015 at **Jerusalem, Israel (Poster Presentation; International)**
- Genome Informatics Conference held at **Wellcome Genome Campus, Hinxton, Cambridge, UK** from 17<sup>th</sup> -20<sup>th</sup> September 2018 (**Poster Presentation**)
- The 3<sup>rd</sup> *EMBO Meeting* held at **Vienna, Austria** from 10<sup>th</sup> to 13<sup>th</sup> September, 2011 (**Poster Presentation; International**)

#### Fellowships and Awards:

- Qualified National Eligibility Test (**NET**) for the award of Junior Research Fellowship (**JRF**) and Lectureship conducted by University Grants Commission (India) in December 2007
  - Awarded **UGC Start Up Research Grant** for 2017
  - **Indo-Israel Post Doctoral Fellowship by MHRD, India 2017**
  - Qualified IELTS examination with an overall band of 7.5 with no less than 7.0 band in Reading, Writing, Listening and Speaking components

- Awarded travel grant by DBT, India for attending the *EMBO Workshop* held at **Jerusalem, Israel**
- Awarded travel grant by ICMR, India for attending the 3<sup>rd</sup> *EMBO Conference* held at **Austria, Vienna**
- Reviewer *Annals of Clinical Biochemistry*, official journal of the Association for Clinical Biochemistry and Laboratory Medicine, UK
- Reviewer *Frontiers in Genetics*.
- Reviewer *International Journal of Pediatric Otorhinolaryngology*

**Professional Membership:**

- Life member Indian Academy of Medical Genetics
- Life member Indian Society of Biological Chemists

**Administrative Committees:**

- Assistant Dean (Students Welfare)
- Hostel Warden
- Member Board of Research Studies
- Member Departmental Purchase Committee
- Member Equal Opportunity Committee
- Member Institute Ethics Committee
- Member Department Research Committee
- Member of Committee on Research Grants
- Member Lab Committee



Raja Amir Hassan Kuchay