

CURRICULUM VITAE

Personal Details

Name Raja Amir Hassan

Designation Assistant Professor

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School of Biosciences and Biotechnology
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Academic Qualification

<u>Degree</u>	<u>Year</u>	<u>Subject</u>	<u>University/Institution</u>
Ph.D	2013	Biochemistry	Panjab University, Chandigarh
M.Sc	2007	Biochemistry	Aligarh Muslim University
B.Sc	2005	Biochemistry	Kashmir University
12 th	2002	Science	JK BOSE (Tyndale Biscoe School)
CSIR NET-JRF	2008	Life Science	CSIR

Ph.D Thesis

- Intestinal lactase: Regulation of expression and role of single nucleotide polymorphisms (SNP's) associated with LCT gene in hypolactasia among Indian population*

Publications

1. Yaser Rafiq Mir, **Raja A.H Kuchay** (2019). Advances in identification of genes involved in autosomal recessive intellectual disability: a brief review. *J Med Genet*. doi: 10.1136/jmedgenet-2018-105821.
2. **Raja AH Kuchay**, Yaser Rafiq Mir, Xue Zeng, Asima Hassan, Javed Musarrat, Iqbal Parwez, Christoph Kernstock, Andreas Traschütz, Matthis Synofzik (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*. doi: 10.1007/s12311-019-01028-2.
3. **Raja A.H Kuchay** (2016). A review of complementary therapies for chemotherapy induced gastrointestinal mucositis. *Drug Discoveries & Therapeutics*. 10(6):292-299 (ISSN: 1881-7831; Indexed; International; UGC Approved)
4. **Raja A.H Kuchay**, B.R.Thapa, A. Mahmood, S. Mahmood (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; UGC Approved)
5. **Raja A.H Kuchay**, B.R.Thapa, A. Mahmood, M. Anwar, S. Mahmood (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; UGC Approved)

6. **Raja A.H. Kuchay**, A. Bhatia, A. Mahmood, M. Anwar, S. Mahmood (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; UGC Approved)
7. **Raja A.H Kuchay**, M. Anwar, B.R.Thapa, A. Mahmood, S. Mahmood (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 and Nutrition* 8(1):145-51 (ISSN: 1555-8932; Indexed; International; UGC Approved)
8. **Raja A.H.Kuchay**, A. Mahmood, S. Mahmood (2012). Adult-type hypolactasia: A genetic perspective. *Journal of Pediatric Biochemistry* 2:143-151 (ISSN 1879-5390; Indexed; International; UGC Approved)
9. **Raja A.H Kuchay**, B.R.Thapa, A. Mahmood, S. Mahmood (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; UGC Approved)
10. 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)
11. R. Abila, **Raja A.H. Kuchay** (2016). A review on phytopharmacological potentials of *Juniperus recurva*. *Journal of Experimental and Integrative Medicine* 6(2): 93-97 (ISSN: 1309-4572; Indexed; International)

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	04 Years & 06 Months
2	Lecturer (Ad. Hoc)	University of Kashmir (Department of Clinical Biochemistry)	01/07/2013	31/12/2013	06 Months (One Session)
3	Lecturer (Ad.Hoc)	University of Kashmir (Department of Clinical Biochemistry)	26/04/2014	19/08/2014	04 Months
4	Junior Research Fellow	PGIMER, Chandigarh	01/12/2007	01/11/2008	11 Months

Conference and Workshop Presentations

- *EMBO Workshop on 'Regulation of Aging and Proteostasis'* February 15th -20th, 2015 at **Jerusalem, Israel (Poster Presentation; International)**
- Genome Informatics Conference held at Wellcome Genome Campus, Hinxton, **Cambridge, UK from 17th -20th September 2018 (Poster Presentation)**
- The *3rd EMBO Meeting* held at **Vienna, Austria** from 10th to 13th September, 2011 (**Poster Presentation; International**)
- *World Congress on Drug Discovery and Development 2016* held from 23rd-25th November, 2016 at Bengaluru, India (**Poster**

Presentation; International)

- *20th Annual Conference of Pediatric Gastroenterology, Hepatology & Nutrition* held at PGIMER, Chandigarh from 1st to 3rd October, 2010 (**Poster Presentation; National**)
- *International Conference on Understanding & Managing Pathogenic Microbes* held at Institute of Microbial Technology, India from 22nd to 24th January, 2010
- *Symposium on Intellectual Property Rights (IPR) in Biomedical Research* held at PGIMER, Chandigarh on 21st October, 2010
- *National Symposium on Animal Remodeling: From Laboratory to Clinic* held at PGIMER, Chandigarh on 3rd October, 2009
- *Joint meeting of International Society of Heart Research* held at PGIMER, Chandigarh from 29th February to 2nd March, 2008

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 project entitled “Molecular mechanisms mediating protective effect of *Mentha longifolia* and *Mentha arvensis* against chemotherapy induced gastrointestinal mucositis in animal models”
- **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 DBT, India for attending the '*Genome Informatics*' conference held at **London, UK**
- Awarded travel grant by ICMR, India for attending the 3rd *EMBO Conference* held at **Austria, Vienna**
- Awarded PG merit scholarship at Aligarh Muslim University for session 2005-2006
- Award for best paper presentation at 20th Annual Conference of Pediatric Gastroenterology, Hepatology & Nutrition held at PGIMER, Chandigarh from 1st -3rd October 2010
- Reviewer *Annals of Clinical Biochemistry*, official journal of the Association for Clinical Biochemistry and Laboratory Medicine, UK

Research Interests

- Human Genetics; Clinical Biochemistry; Gastrointestinal and Psychiatric Disorders

Research Project as PI:

- Molecular mechanisms mediating protective effect of *Mentha longifolia* and *Mentha arvensis* against chemotherapy induced gastrointestinal mucositis in animal models (**Funded by UGC, India; 10 Lac**)

Research Experience

- Junior Research Fellow (December 2007-November 2008) on research project entitled "*Molecular mechanism of intestinal injury due to radiation and chemotherapy and its protection by antioxidants in animal models*" at PGIMER, Chandigarh
- Also assisted in research projects entitled "*Study of β -catenin (CTNNB1) gene mutations in colorectal cancer among north*

Indian subjects” and “Site of action of shiga toxin on intestinal epithelial functions beyond their expression level” at PGIMER, Chandigarh

- Ph.D thesis (November 2008-November 2012) entitled *“Intestinal lactase: Regulation of expression and role of single nucleotide polymorphisms (SNP”s) associated with LCT gene in hypolactasia among Indian population”* at PGIMER, Chandigarh
- M.Sc. dissertation (July 2006 - May 2007) entitled *“Purification and partial characterization of thiol protease Inhibitor (cystatin) from Phaseolus vulgaris (Rajma) seeds”* at AMU, Aligarh

Raja Amir Hassan

(21-02-2019)