

Tariq Maqbool, Ph.D.

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EXPERIENCE & EDUCATION

DATE	DESCRIPTION
2016- till date	Assistant Professor - Department of Nanotechnology, School of Biological Sciences, University of Kashmir
2011-16	Faculty Lecturer - Department of Biochemistry- Government Medical College Srinagar, Research Center-University of Kashmir
2008-10	Postdoctoral Research Fellow - Department of Microbiology, Pearlman School of Medicine, University of Pennsylvania (UPenn) USA & Emory Vaccine center and Department of Microbiology & Immunology, EMORY University, Atlanta, USA.
2004-08	Doctorate/PhD - Faculty of Medicine/ INSERM UMR.384, Université Clermont Auvergne, France
2002-05	Pre-Doctorate - Laboratory of Prof. K. VijayRaghavan, National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research (TIFR), Bangalore, India.
2000-02	MSc Biochemistry - Laboratory of Prof. M Saleemuddin, Department of Biochemistry, Aligarh Muslim University, (AMU), India.
1997-00	BSc Hon's Biochemistry - Department of Biochemistry Aligarh Muslim University (AMU), India
1992-95	10+2 , Modern School, Barakhamba Road, CBSE Board, New Delhi

SELECTED INTERNATIONAL PUBLICATIONS AND BOOK CHAPTERS

- Khazir J, **Maqbool T**, Mir BA (2021) A Review on Remdesivir: A Broad-spectrum Antiviral Molecule for Possible COVID-19 Treatment. *Mini-Reviews in Medicinal Chemistry*. 21(17): 2530-2543. {Impact factor: 3.86}
- Roqia Ashraf, **Tariq Maqbool**, et al. (2021) Synthesis, characterization, and cell viability of bifunctional medical-grade polyurethane nanofiber: Functionalization by bone inducing and bacteria ablating materials. *J. of Applied Polymer Science*. Vol 138(25). {Impact factor: 3.12}
- Khazir. J, Mir B.A., Chashoo G., **Maqbool. T.**, Riley D., Pilcher L (2020) Design, Synthesis and Anticancer evaluation of acetamide analogs of Pyrimidine” *Journal of Heterocyclic Chemistry*, Vol 57, Issue 03, p1306-1318. {Impact factor: 2.19}
- Pirzada. T.B., Malik. B., **Maqbool. T**, Rehman. R (2019) Development of Nano-Bio formulations of Nutrients for Sustainable Agriculture. *Nanobiotechnology in Bioformulations*,

Prasad R., Kumar V., Kumar M., Choudhary D. (eds), Springer Switzerland; (https://doi.org/10.1007/978-3-030-17061-5_16).

- **Maqbool. T.** and Majeed. S (2016) Highly dispersible crystalline nanobundles of YPO 4 and In (Eu, Tb)-doped YPO 4 as efficient bio-labels. *Proc. of the Intl. Conf. on Nanotechnology for Better Living*. Vol. 3, No. 1, p. 310.
- Hopkins. KC, McLane. LM, **Maqbool T** et al. (2013) A genome-wide RNAi screen reveals that mRNA decapping restricts bunyaviral replication by limiting the pools of Dcp2-accessible targets for cap-snatching. *Genes & Development*. 27(13): 1511-25. {Impact factor: 11.36}
- **Maqbool. T** and Jagla. K (2007) Genetic control of myogenesis: Learning from *Drosophila*. *Journal of Muscle Research & Cell Motility* 28(7-8): 397-407. {Impact factor: 2.13}
- **Maqbool T**, Soler C, Jagla T et al. (2006) Shaping Leg Muscles in *Drosophila*: Role of *ladybird*, a Conserved Regulator of Appendicular Myogenesis. *PLoS ONE* 1(1): e122. {Impact factor: 3.04}
- Dutta D, Shaw S, **Maqbool T**, Pandya H, VijayRaghavan K (2005) *Drosophila* Heartless Acts with Heartbroken/Dof in Muscle Founder Differentiation. *PLoS Biology* 3(10): e337. <https://doi.org/10.1371/journal.pbio.0030337> {Impact factor: 8.02}
- Gupta. P, **Maqbool. T** and Saleemuddin. M (2005) Oriented immobilization of stem-bromelain via a lone histidine residue on metal affinity support. *Journal of Molecular Catalysis B: Enzymatic*, 2005, 45, 78-83. {Impact factor: 2.3}
- Soler. C, **Maqbool. T**, Jagla T, Jagla K (2006) Differentiation and identity of the *Drosophila* leg muscles: roles of the FGF pathway and homeodomain transcription factor *Ladybird*. *Acta Biologica Cracoviensia. Series botanica*. 48:12-12. {Impact factor: 1.16}
- Jagla, K., Soler, C., **Maqbool, T.**, Daczewska, M., & Da Ponte, J. P. (2005). *Drosophila* leg musculature, a new model to study multifibre muscle formation. In *MECHANISMS OF DEVELOPMENT* (Vol. 122, pp. S94-S94). ELSEVIER SCIENCE BV. NETHERLANDS:

CONFERENCES/ SEMINARS/SYMPOSIA/WORSHOPS ATTENDED ONLINE

- Public Webinar on key elements of COVID-19 Vaccine development - Challenges and Mitigation "Science of Vaccine Development", organized by National Biopharma Mission, Thu, Dec 31, 2020 11:00 AM - 1:00 PM IST
- India's Way through the Second Wave, organized by Trivedi School of Biosciences, Ashoka University, Apr 27, 2021 11:00 AM India.
- Distinguished Lecture-Immune Memory to Covid-19 by Prof. Rafi Ahmed", organized by Trivedi School of Biosciences on May 24, 2021 07:30 PM, India.
- The Indo-Singapore workshop entitled 'cardiovascular diseases: An Insight to New Advances and their Translational Application', organized by Jamia Millia Islamia, Friday, 24th September 2021 till Wednesday, 29th September 2021.
- Distinguished Lecture-Vaccines don't save lives, Vaccinations save lives by Prof. Walter A. Orenstein, organized by Trivedi School of Biosciences Ashoka University, Oct 1, 2021 07:30 PM India.
- 16th Annual International ITMAT Symposium Translational Science in a Pandemic World, organized by University of Pennsylvania, Philadelphia, USA on October 11–12, 2021, 9:00am (EST).
- Distinguished Lecture-Physics meets Biology at the surface of living cells, organized by Trivedi School of Biosciences Ashoka University, Nov 2, 2021 07:30 PM, India.
- The BMJ's covid-19 webinar: Population and herd immunity, organized by BMJ London, UK on Nov 11, 2021 04:00 PM.

- Distinguished Lecture-Motor Proteins: Molecular Engines of Life by Prof. Ronald D. Vale, organized by Trivedi School of Biosciences Ashoka University on Monday, 22 November 2021, Time: 7.30 PM IST, India.
- SARS-CoV-2 Omicron Variant - Ask the Experts- Prof. Shahid Jameel and Prof. Gautam I. Menon, organized by Trivedi School of Biosciences Ashoka University on Dec 10, 2021 06:00 PM India.

SELECTED INVITED TALKS / PRESENTATIONS DELIVERED IN CONFERENCES

- *Insights from nanotechnology in combating COVID-19 & Applications in regenerative medicine*, delivered in “International conference on Nanotechnology for better living (NBL-21)” organized by National Institute of Technology (NIT), Srinagar & NRF-IIT Delhi, held at Srinagar on September, 7-11, 2021.
- *Artificial intelligence and Nanotechnology*, delivered in National Conference on Recent Advances and Innovations in Artificial Intelligence, Machine Learning and Deep Learning” organized by Satellite Campus Kargil, University of Kashmir on October 5th, 2019.
- *Discovering Allosteric Small Molecule Inhibitors against IGF1R for Anticancer Drug Therapy* in “6th World Congress on Nanomedical Sciences” organized by Jamia Hamdard & University of Delhi on 09-01-2019.
- *Prospective Nano-Formulated Drugs for the upregulation of WNT/Beta Catenin mediated Signaling in Neurodegenerative Diseases* in “6th World Congress on Nanomedical Sciences” organized by Jamia Hamdard & University of Delhi on January 7-9, 2019.
- *Blood-brain barrier (BBB) & Drug delivery: Application of Nanotechnology-based drug delivery systems in Drosophila model for BBB penetration and in vivo drug screening of CNS drugs* in “7th Annual Conference of Indian Academy of Biomedical Sciences” organized by Department of Clinical Biochemistry, SKIMS, Kashmir on April 20-22, 2018.
- *Nanotechnology and Environment* delivered in National Seminar on Environmental Pollution: Join the race to make a better place organized by Department of Environmental Sciences & CORD, University of Kashmir on June 4-5, 2016.
- *Highly dispersible crystalline nanobundles of YPO 4 and In (Eu, Tb)-doped YPO 4 as efficient bio-labels* in “International Conference on Nanotechnology for Better Living 2016” organized by National Institute of Technology, Srinagar and IIT Kanpur at Srinagar on May 25-29, 2016.

RESEARCH PROJECTS COMPLETED (26-3-2016 till 26-03-2020)

- “Establishing Disease model system to study mechanisms underlying Myotonic Type-1 (DM1), and in vivo screening of potential drugs for genetic rescue approaches in DM1” UGC start-up research grant.

SELECTED WORKSHOPS & COURSES ATTENDED

Year	Description
2020	Participated in Bioinformatics workshop “Introduction to Computational Biology and Bioinformatics” held on 1st March to 6th March, 2020 at Department of Biotechnology, University of Kashmir

2019	Participated in One-week Short Term Course on “Materials Characterization Techniques” held on June 24-28, 2019 at NIT Srinagar.
2019	Participated in National level research meeting “Recent Trends in Cell and Molecular Biology” held at Department of Biotechnology, KU on March 19-20 th , 2019.
2019	Participated in One week Faculty Development Program on “Emerging Trends in Physical, Chemical and Mathematical Sciences” held from Feb 14 th to 20 th ., 2019 at IUST Awantipora, J&K.
2019	Participated with poster presentations in 6 th World Congress on Nanomedical Sciences held on 7 th -9 th January 2019 at Vigyan Bhavan, New Delhi
2018	Participated in 2-day National Conference & Workshop on Advances in Biopolymers at Department of Food Technology University of Kashmir, 30 th -31 st October, 2018.
2018	Participated Two-Day National Workshop on Nanoscience-Opportunities and Challenges at IUST Awantipora, 4 th -5 th of September, 2018.
2018	Participated with poster presentation in 7th Annual Conference of Indian Academy of Biomedical Sciences (IABS) at Department of Clinical Biochemistry, Sheri-Kashmir Institute of Medical Sciences (SKIMS), Srinagar, April 20-22, 2018.
2017	Attended OpenCon 2017 Srinagar on International Open Day at the Department of Library & Information Sciences at the University of Kashmir, 4th March 2017.
2017	Participated in National Workshop on Scholarly Writing, Reference Management and Deterring Plagiarism organized by Allama Iqbal Library, UoK, 22-23 March, 2017.
2017	Participated in National Training Workshop on Plant Taxonomy: Principles and Practices organized by CBT, University of Kashmir, 27 th -29 th , March 2017.
2017	Attended Regional Training workshop on “Research based Pedagogical Tools in teaching” jointly organized by IISER Pune and Department of Biotechnology. KU, July 3-5, 2017.
2017	Participated in Refresher course in Life Sciences at UGC- Human Resource Development center (UGC-HRDC), Central University of Hyderabad, Nov-Dec, 2017.
2017	Participated with poster presentation in Conference organized by Indian Society of Developmental Biologists- “3rd Drosophila Research Conference (InDRC) at IISER Bhopal, 8th December, 2017.
2016	Participated with Poster presentation in National Seminar on “Environmental Pollution: Join the race to Make the world a Better Place” June 4-5, 2016.
2016	Attended 71st Orientation course at Human Resource Development center (UGC-HRDC), University of Kashmir, April-May, 2016.

2016	Participated in International Conference on “Emerging Trends in Biomedical Sciences”, held at the Department of Biochemistry at AMU Aligarh, March 6-8, 2016.
2016	Participated with Poster presentation in 5th Annual Meeting of Indian Academy of Biomedical Sciences, February 26th-28th, 2016.

ADVANCED CERTIFICATED TRAININGS

Year	Description
2015	Training programme on <i>Medical Laboratory Quality Management Systems and Internal Audit as per IS/ISO 15189;2012</i> conducted by National Institute of Training for Standardization (NITS), Bureau of Indian Standards (BIS) held at Govt. Medical College Srinagar (J&K)
2010	Attended <i>Advance training course on “High throughput Screening/ High Content Analysis: MetaXpress Imaging</i> by Molecular devices, Pennsylvania U.S.A
2007	Attended Advanced Course on <i>Microarrays: Gene Expression and Regulation</i> by Sanger’s Institute & Welcome Trust, Cambridge, UK.

AWARDS & HONORS

Year	Description
2021	Certificate of Appreciation for Chairing Sessions in <i>International conference on Nanotechnology for better living (NBL-21)</i> organized by National Institute of Technology (NIT), Srinagar & NRF-IIT Delhi at Srinagar on September, 7-11.
2019	Certificate of Appreciation for Chairing a technical session on <i>Nanotechnology in vaccine Development</i> in the 6th World Congress on Nanomedical Sciences held at Vigyan Bhavan, New Delhi on January 7-9.
2018	Certificate of Appreciation for serving as Rapporteur in <i>13th Session of Jammu and Kashmir Science Congress (JKSC-2018)</i> organized from April 2 – 4.
2012	Awarded Life membership of Indian Association of Biomedical Scientists (IABS).
2010	Awarded Postdoctoral Research Fellowship at Perelman School of Medicine, at University of Pennsylvania, Philadelphia, USA.
2008	Awarded Postdoctoral Research Fellowship at Emory Vaccine center, School of Medicine, EMORY University, Atlanta, USA.
2007	Awarded Welcome Trust (UK) Full Scholarship for Advanced Microarray Course at Sanger’s Institute, UK.
2007	Awarded PhD Fellowship by French Myopathy foundation (AFM) France & by National Institute of Medical Sciences and Health (INSERM), France.
2007	Awarded Travel fellowship by INSERM France for attending Welcome Trust Advanced Microarray Course at Sanger’s Institute, UK.

PARTICIPATION IN VARIOUS DEPARTMENTAL ACTIVITIES (26-3-2016 till 15-12-2021)

Nature of activity	From	To	Involvement as/ description
Administrative	01-04-2021	Till date	Nodal Officer DIQA
	13-10-2021	Till date	Member Board of PG Studies in Nanotechnology
	01-04-2021	Till date	In Charge Academics / Curriculum Matters
	01-01-2018	Till date	Nodal Officer Internal Grievance Redressal Mechanism Cell
	13-10-2018	Till date	Member Board of PG Studies in Nanotechnology
	05-11-2018	31-03-2021	Teacher In Charge of Academic/Time Table/Curriculum matters
	29-10-2018	31-03-2021	In charge Admissions & Member Admission Committee
	24-10-2017	31-03-2021	In charge Laboratory Equipment Purchases & Lab Maintenance
Organizing	07-01-2019	09-01-2019	Nodal Officer and Co-Convener represented University of Kashmir for Co-hosting a session on <i>Nanotechnology in vaccine Development</i> in the 6th World Congress on Nanomedical Sciences at New Delhi
	17-10-2018	17-10-2018	Convener Board of PG Studies in Nanotechnology for approval of MSc Curriculum 2018-2021

Sd.
Dr. Tariq Maqbool