CURRICULUM VITAE

ARIF TASLEEM JAN

(Assistant Professor)

MAILING ADDRESS

Molecular Biology Lab,
School of Biosciences and Biotechnology
Baba Ghulam Shah Badshah University, Rajouri
185234, Jammu & Kashmir, India
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SUMMARY

Teaching and research experience	**7.5** years, Post PhD (2012-till date)
Additional teaching experience	**4** years
Peer reviewed articles	**50** (Published) + **06** (Communicated)
Total impact factor (Published articles)	**140.74**
Book chapters	**2**
Students mentored in projects (Masters degree)	**7 + 3 + 4**

PROFILE

Talented, self-motivated and an enthusiastic biologist. Well-versed in modern techniques and research methodologies. Possessing experience in project works, paper presentations etc. Deep understanding of the research field, with focus oriented delivering on scientific solutions.

CORE COMPETENCIES

- Adroit at learning new concepts quickly, working well under pressure and communicating ideas clearly and effectively.
- Friendly with an upbeat attitude, excellent decision making skills with a positive approach.
- Solid ability of conceptual thinking and expertise in the retrieval and appraisal of relevant scientific information.

ACADEMIC ACHIEVEMENTS

- **Best Researcher** of the Year 2018 **(2018).**
- Awarded prestigious **Dr. D.S. Kothari Postdoctoral fellowship (49th list) (2014).**
- **DBT RA** at National Institute of Immunology **(2012-2014).**
- Awarded **CSIR RA** fellowship under **Life Science** category **(2013).**
- Awarded **CSIR SRF** fellowship under **Gen Bio** category **(2010).**
- Qualified **GATE** with 92 percentile under **Roll No. 325222 (2007).**

EDUCATION

- **PhD (**2007- 2012**)** from Department of Biosciences, Jamia Millia Islamia, New Delhi.
- **Master of Science** in **Biosciences** (2003-2005) with **first Division** from Department of Biosciences, Jamia Millia Islamia, New Delhi.
- **Bachelor of Science** (1999-2002) from Kashmir University, J&K.
- **Senior Secondary Examination** through JKBOSE.
- **Secondary school examination** through CBSE Board.

POSITIONS AND EMPLOYMENT

2017 – Till date: Working as **Assistant Professor** at School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri, 185234, Jammu & Kashmir, India. (**19 months**)

2014 – 2017: Worked as **International Research Professor (Assistant Professor)** at School of Biotechnology, Yeungnam University, Republic of Korea. (**~4 years**)

2012 – 2014: Worked as **DBT Research Associate** (**postdoc**) at National Institute of Immunology, New Delhi, India. (**2 Years**)

2008 – 2009: Worked as **Guest lecturer** at Centre for physiotherapy and rehabilitation studies, Jamia Millia Islamia, New Delhi, India.

2005 – 2007: Worked as **Counsellor cum teacher** for **IGNOU** at Department of Biosciences (study centre), Jamia Millia Islamia, New Delhi, India.

2005 – 2006: Worked as **Guest lecturer** at Department of Biotechnology, Jamia Millia Islamia, New Delhi, India.

RESEARCH INTERESTS

- Phytochemistry; Infectious diseases; Muscle Biology; Diabetes; Toxicology

ONGOING PROJECTS

Project: 01 (Sanctioned, University Grants Commission)

Title of the project:

Study on expression of Extended Spectrum β-Lactamases and Metallo- β-Lactamases and screening rich repertoire of plant phytochemicals of Pir Panjal region effective against *E.coli*

Scope: Exploring plants for overcoming the burden of antibiotic resistance (Phytomedicine)

Duration of project: 2 years

Total estimated cost: **10 lacs**

RESEARCH PROJECTS UNDERTAKEN

Name of the project: Studying role of muscle satellite cells (MSCs) in muscle development and amelioration of muscle dystrophies by natural compounds.

Position: ***Research Professor*** **Duration:** 3.5 years (2014-2017)

Associated Supervisor: Prof. Inho Choi, Dean, School of Biotechnology, Yeungnam University, Republic of Korea.

Description of the project: Studying role of muscle satellite cells (MSCs) in muscle development using Microarray, RNA sequencing and EST tagging.

Name of the project: Biochemical and functional characterization of ABC transporters and study their role in the pathogenesis of *Streptococcus pneumonia*.

Position: ***Project Associate*** **Duration:** 2 years (2012-2014)

Supervisor: Dr. Devinder Sehgal (Staff scientist VI), National Institute of Immunology, New Delhi, India.

Description of the project: Characterization of ATP binding cassette transporters involved in import and export of a wide range of substances for their role in growth and survival of bacteria in their ecological niches.

Name of the project: Molecular characterization of *mer*B gene from an efficient mercury tolerant Indian isolate of *Pseudomonas*.

Position: ***Graduate student*** (PhD) **Duration:** 5 years (Aug 2007-Mar 2012)

Supervisor: Prof. Qazi Mohd. Rizwanul Haq and **Prof. Arif Ali**, Department of Biosciences, Jamia Millia Islamia, New Delhi, India.

Description of the project:

Study development of resistance mechanism in mercury-resistant bacteria. Investigations of the genetic make-up mercury resistant bacteria (MRB) of polluted sites for expression of different genes of *mer* operon either singly or in combination, to deal with toxic mercury.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- *Korean Society for Molecular and Cell Biology*
- *American Society for Microbiology*
- *Indian association of Medical Microbiologists*
- *Association of Microbiologists of India*

EDITORIAL DUTIES

Serving as an editorial board members and/or reviewer to several prominent journals, common being:

As Associate Editor/ Editor:

J Anim Sci Tech, J Pract Biochem Biophys, J Nat Natural Sci, Food Pharma Inter, Int J Drug Res Tech, J Adv Biotech Exper Thera.

As Reviewer:

Curr Microbiol, Curr Drug Metab, PlosOne, Front Microbiol, Front Aging Neurosci, Front Pharmacol, J Nutr, Sci Rep, Comp Biol Chem, Braz J Microbiol, J Anim Sci Tech, Saudi Pharm J, Int Microbiol, Pharmacol Rep, BioMed Res Int.

KEYNOTE ADDRESS(ES)/ LNVITED LECTURE(S) DELIVERED AND CHAIRED CONFERENCES/ SYMPOSIUMS:

Invited lecture:

- Study of Advanced Glycation End (AGE) products affecting myogenesis and its modulation by natural compounds at Center for Cell Culture, Yeungnam University, **Republic of Korea** on Sept 04' 2018.

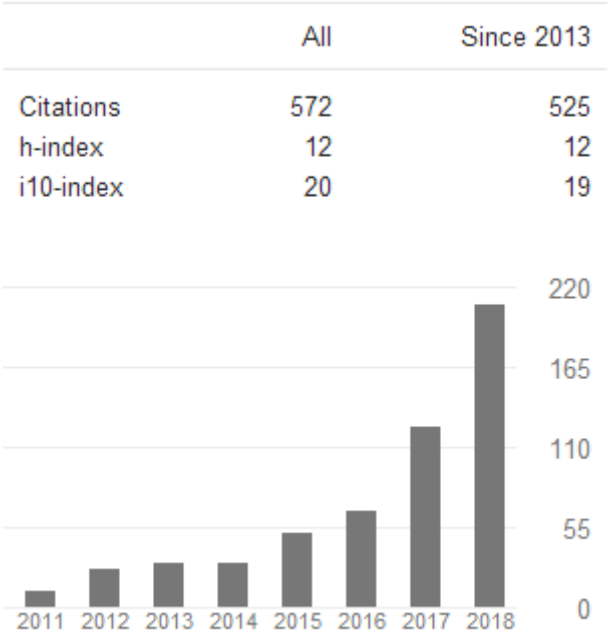
- Dynamics of musculoskeletal system under changing shades of diseases. ***9th China-Japan-Korea-USA Joint International Symposium on Sustainable Agriculture and Biotechnology***, held at College of life and Applied Sciences, Yeungnam University, **Republic of Korea** during May 18-20, **2017**.

Chaired international symposium:

- ❖ ***Joint International Symposium (Mini-symposium)*** as part of collaboration between Institute of Biotechnology, Yeungnam University and Department of Information Science and Technology, University of Nebraska, USA, held at Department of Medical Biotechnology, Yeungnam University, **Republic of Korea** during May 13-18, **2015**.

PEER REVIWED PUBLICATIONS **(50 published, Total impact = 140.74)**

Citation Index



(# equal contribution, *Corresponding author)

- Baig MH, Rashid I, Srivastava P, Ahmad K, **Jan AT**, Rabbani G, Choi D, Barreto GE, Ashraf GM, Lee EJ, Choi I. **(2019)** NeuroMuscleDB; a database of genes associated with muscle development, neuromuscular diseases, ageing and neurodegeneration. **Mol Neurol.** (**Accepted**) **(IF 5.076)**

- **Jan AT**, Rahman S, Khan S, Abdullah TS, Choi I. **(2019)** Biology,Pathophysiological role and clinical implications of exosomes: A critical appraisal. **Cells.** 8; 99 **(IF 4.8)**

- Rahman S, Archana A, **Jan AT**, Dutta D, Shanker A, Kim J, Minakshi R. **(2019)** Molecular insights into the relationshipbetween autoimmune thyroid diseases and breast cancer: A critical perspective on autoimmunity and ER stress. **Front Immunol.** (**Accepted**) **(IF 5.511)**

- Rahman S, Archana A, Dutta D, Kumar V, Kim J, **Jan AT**, Minakshi R. **(2019)** The onus of cannabinoids in interrupting molecular odyssey of breast cancer: A critical

perspective on UPRER and beyond. **Saudi Pharm J.** (**Accepted**) **(IF 3.110)**

- Khan S, Imran A, Malik A, Chaudhary AA, Rub A, **Jan AT.** Syed ZB, Rolfo C. **(2018)** Bacterial imbalance and gut pathologies: Association and contribution of E. coli in inflammatory bowel diseases. **Crit Rev Clin Lab Sci.** (**Accepted**) **(IF 6.481)**

- Sultan I, Rahman S, **Jan AT**[*], Siddiqui MT, Mondal AH, Haq QMR[*] **(2018)** Antibiotics, resistome and resistance mechanisms: A bacterial perspective. **Front Microbiol.** (**Accepted**) **(IF 4.165)**
  @ [Featured as article of interest by ***PLOS Antimicrobial Resistance Channel, 2018***]

- Lone JB, Koh WN, Parray HA, Paek WK, Lim JH, Rather I, **Jan AT**[*]**. (2018)** Gut microbiome: Microflora association with obesity and obesity related commorbidities. **Microb Pathogen.** (**Accepted**) **(IF 2.332)**

- Rahman S, Archana A, Azam M, **Jan AT**, Dutta D, Minakshi R. **(2018)** Role of osmolytes and their transporter system in pathogen survival and pathogenecity. **Current Drug Metabolism.** (**Accepted**) **(IF 2.655)**

- Azam M[#], **Jan AT**[#], Siddiqui K, Choi I, Haq QMR. **(2018)**. Study of pan drug resistant *E. coli* isolate from anthropogenically influenced Delhi stretch of river Yamuna. **Braz J Micriobiol. (Accepted). (IF 1.810)**

- **Jan AT**[#], Azam M[#], Sultan I, Haq QMR. **(2018)**. Study on diversity in the prevalence of extended spectrum β–lactamases (ESBLs): An Indian Scenario. **Curr Drug Metab.** (Accepted). **(IF 2.847)**

- Rahman S, Archana A, **Jan AT**, Minakshi R. **(2018)** Dissecting endoplasmic reticulum unfolded protein response (UPRER) in managing clandestine modus operandi of Alzheimers disease. **Front Aging Neuro. (IF 3.582)**

- Baig MH[#], **Jan AT**[#], Rabbani G, Ahmad K, Lee EJ, Choi I. **(2017)** Methylglyoxal and AGEs: Insights into regulatory machinery affecting myogenic program and amelioration by natural compounds. **Scientific reports** 7: 5916. **(IF 4.122; *Nature publishing group*)**

- Minakshi R, Rahman S, **Jan AT**, Archana A, Kim J. **(2017)** Implications of ageing and endoplasmic reticulum unfolded protein response (UPR) in the molecular modality of breast cancer. **Experimental Molecular Medicine** 49: e389. **(IF 5.584; *Nature publishing group*)**

- **Jan AT**[#], Lee EJ[#], Baig MH, Ahmad K, Rabbani G, Choi I. **(2017)** Fibromodulin and regulation of the intricate balance between myoblast differentiation to myocytes or adipocyte-like cells. **The FASEB Journal. (IF 5.595)**

- **Jan AT**[#], Malik MA[#], Rahman S, Abdullah TS, Lee EJ, Choi I. **(2017)** Perspective Insights of Exosomes in Neurodegenerative Diseases: A Critical Appraisal. **Front Aging Neuro. (IF 3.582)**

@ [Cited in ***Nat Rev Neurol, 2018;*** **IF – 20.25**]

- **Jan AT**[#], Azam M[#], Rahman S, Lee EJ, Haq QMR, Choi I. **(2017)** Perspective Insights into Disease Progression, Diagnostics, and Therapeutic Approaches in Alzheimer's Disease: A Judicious Update. **Front Aging Neuro. (IF 3.582)**

- Rahman S, **Jan AT**, Ayyagari A, Kim J, Minaksh R. **(2017)** Entanglement of UPRER in aging driven neurodegenerative diseases. **Front Aging Neuro. (IF 3.582)**

- **Jan AT**[*]. **(2017)** Outer membrane vesicles (OMVs) of Gram negative bacteria at the interphase of host-pathogen interaction. **Front Microbiol. (IF 4.165)**
  @ [Cited in ***Microb Mol Biol Rev, 2018;*** **IF – 14**
  Cited in **Nature communication, *2019*; IF – 12.353**]

- Rabbani G, Baig MH, **Jan AT**, Lee EJ, Choi I. **(2017)**. Binding of erucic acid with human serum albumin using spectroscopic and molecular docking study. **Int J Biol Macro**. https://doi.org/10.1016/j.ijbiomac.2017.04.051 **(IF 3.909)**

- Khan N, **Jan AT**[*]. **(2017)** Towards identifying protective B-cell epitopes: The PspA story. **Front Microbiol.** doi.org/10.3389/fmicb.2017.00742 **(IF 4.165)**

- Lee EJ, Smritee Pokharel, **Jan AT**, Galope R, Nahm SS, Kim YW, Park SY, Choi I. **(2017)**. Transthyretin: A Transporter Protein Essential for Cell Cycle Progression of Satellite cells in the Myogenic Program. **Int J Mol Sci**. 18 (1): E115 **(IF 3.687)**

- Pillai H, Yadav BS, Chaturvedi N, **Jan AT**[#]**,** Gupta GK, Baig MH, Bhure SK. **(2016)** Protein Modelling and molecular dynamic stimulation of cloned Regucalcin (RGN) gene from *Bubalus bubalis*.. **Comb Chem High Thr Scr**. 10.2174/1386207319666161220124532 **(IF 1.205)**

- **Jan AT**, Lee EJ, Choi I. **(2016)**. Fibromodulin: A regulatory molecule maintaining the cellular architecture for normal cellular function. **Int J Biochem Cell Biol.** 80: 66-70. **(IF IF 3.247)**

- Ahmad S, **Jan AT**, Baig MH, Lee EJ, Choi I. **(2016)**. Matrix Gla Protein: An extracellular matrix protein regulating myostatin expression in muscle developmental program. **Life Sci**. 172: 55-63 **(IF 3.234)**

- Hemlata, **Jan AT***, Tiwari A. **(2016)**. The ever changing face of antibiotic resistance: Prevailing problems and prevents measures. **Curr Drug Metab.** 18 (1): 69-77 **(IF 2.655)**

- Lee EJ[#], **Jan AT**[#]**,** Baig MH, Ashraf JM, Nahm SS, Kim YW, Park SY, Choi I. **(2016)** Fibromodulin: A Master Regulator of Myostatin Controlling Progression of Satellite Cells through Myogenic Program. **The FASEB Journal.** 30: 2708-2719. **(IF 5.595)**

- **Jan AT**[#], Lee EJ[#], Ahmad S, Choi I. **(2016)** Meeting the Meat: Delineating the

Molecular Machinery of Muscle Development. **J Ani Sci Tech.** 58: 18. **(Featured article)**

- Azam M[#], **Jan AT**[#], Haq QMR. **(2016)** *bla*$_{\text{CTX-M-152}}$, a novel variant of CTX-M-group-25, identified in *Kluyvera georgiana* isolate from river Yamuna, India. **Front Microbiol.** 7: 176. **(IF 4.165)**

- **Jan AT**, Azam M, Ali, A, Choi I, Haq, QMR. **(2015)** Analysis for the presence of determinants imparting resistance to mercury among bacterial inhabitants of polluted water bodies. **Braz J Microbiol.** 47: 55-62. **(IF 1.810)**

- Malik A, Lee EJ**, Jan AT**, Ahmad S, Choi I. **(2015)** Network analysis for the identification of differentially expressed hub genes using myogenin knock-down muscle satellite cells. **PloSOne** 10 (7): e0133597**. (IF 2.766)**

- Ashraf JM, Ahmad S, Rabbani, G, Hasan Q, **Jan AT**, Lee EJ, Choi I. **(2015)** 3-Deoxyglucosone: a potential glycating agent accountable for structural alteration in H3 histone protein through generation of different AGEs. **PloSOne** 10 (2): e0116804. **(IF 2.766)**

- **Jan AT***, Azam M, Siddiqui K, Ali A, Choi I, Haq QMR. **(2015)** Heavy metals and Human health: Exploring the counter defense system of antioxidants. **Int J Mol Sci.** 16: 29592-29630. **(IF 3.687)**

- Singhal P[#], **Jan AT**[#], Azam M, Haq QMR. **(2015)** Plant abiotic stress: a prospective strategy of exploiting promoters as alternative to overcome the escalating burden. **Front Life Sci.** 9: 52-63. **(IF 0.933)**

- Ashraf JM, Ahmad S, Rabbani, G, **Jan AT**, Lee EJ, Choi I. **(2014)** Physicochemical Analysis of Structural Alteration and Advanced Glycation End Products Generation During Glycation of H2A Histone by 3-Deoxyglucosone. **IUBMB Life.** 66 (10): 686-693. **(IF 3.236)**

- Kamli MR, Kim J, Pokharel S, **Jan AT**, Lee EJ, Choi I. **(2014)** Expressional studies of the aldehyde oxidase (AOX1) gene during myogenic differentiation in C2C12 cells. **Biophys Biochem Res Comm** 450 (4): 1291-96. **(IF 2.559)**

- **Jan AT**, Ali A, Haq QMR. **(2014)** Prospects for exploiting bacterial for bioremediation of metal pollution. **Crit Rev Env Sci Tech** 44 (5): 1-42. **(IF 7.683)**

- **Jan AT**, Azam M, Ali A, Haq QMR. **(2012)** Molecular characterization of mercury resistant bacteria inhabiting polluted water bodies of different geographical locations in India. **Curr Microb** 65(1): 14-21. **(IF 1.373)**

- **Jan AT**, Singhal P, Haq QMR. **(2012)** Plant abiotic stress: Deciphering remedial strategies for emerging problem. **J Plant Interac** 8(2): 97-108. **(IF 1.628)**

- Aquil B, **Jan AT**, Sarin NB, Haq QMR. **(2012)** Micropropagation and genetic transformation of banana for crop improvement and sustainable agriculture. **J Crop Sci** 3 (2): 64-77.

- **Jan AT**, Ali A, Haq QMR. **(2011)** Glutathione as an antioxidant in inorganic mercury induced Nephrotoxicity. **J Postgrad Med** 57 (1): 72-77. **(IF 0.855)**

- **Jan AT**, Azam M, Ali A, Haq QMR. **(2011)** Novel approaches of beneficial *Pseudomonas* in mitigation of plant disease: An appraisal. **J Plant Interac** 6 (4): 195-205. **(IF 1.628)**

- Khan S, **Jan AT**, Mandal B, Haq QMR. **(2011)** Immunodiagnostics of *Cucumber mosaic virus* using antisera developed against recombinant coat protein. **Arc Phytopath Plant Protec** 45(5):561-69

- **Jan AT**, Azam M, Warsi MK, Ali A, Haq QMR. **(2011)** Technical Advancement in Plant Virus Diagnosis – An Appraisal. **Arc Phytopath Plant Protec** 45 (8): 909-921.

- Khan S, **Jan AT**, Aquil B, Haq QMR. **(2011)** Coat protein gene based characterization of Cucumber mosaic virus isolates infecting banana in India. **J Phytology** 3 (2): 94-101.

- Huidrom P, **Jan AT**, Haq QMR, Sharma GD. **(2011)** Molecular characterization of endosulfan tolerant rhizospheric microbes from tea gardens of Silchar Assam, India. **J Exp Sci** 2 (2): 1-4.

- Islam MN, Naqvi AR, **Jan AT**, Haq QMR. **(2010)** Genetic diversity and possible evidence of recombination among *Banana Bunchy Top Virus* (BBTV) Isolates. **Int Res J Microbiol** 1 (1): 1-12.

- **Jan AT**, Kamli M, Murtaza I, Singh JB, Ali A, Haq QMR. **(2010)** Dietary flavonoid Quercetin and Associated Health Benefits – An overview. **Food Rev Intern** 26 (3): 1-16. **(IF 2.00)**

- **Jan AT**, Murtaza I, Ali A, Haq QMR. (2009) Mercury Pollution: An emerging problem and potential bacterial remediation strategies. **World J Microbiol Biotech** 25: 1529-1537. **(IF 1.658)**

- Bharathi NP, Alam M, **Jan AT**, Hashmi AA. (2009). Bioactive Organotin Materials: Synthesis, Characterization and Antimicrobial Investigation. **J Inorg Organomet Polym Mat** 19 (2): 187-195. **(IF 1.577)**

MANUSCRIPTS SUBMITTED

- Sultan I, Rahman S, **Jan AT**[*], Siddiqui K, Gojri F, Haq QMR[*] **(2019)** Phytochemicals on warpath of antibiotic resistance: A strategic management to combat the menace of drug resistance. **Front Microbiol.** (*Revision submitted*) **(IF 4.165)**

- Rather I, Rahman S, Paek WK, **Jan AT**[*] **(2019)** Leaky gut and autoimmunity: An intricate balance of health and the diseases state. **Front Microbiol.** (*Submitted*) **(IF 4.165)**

- Mudsser A, Siddique K, Kumar A, **Jan AT**[*], Haq QMR[*]. Study on mobilization of ESBL determinants among bacterial inhabitants of polluted environment. **Front Microbiol.** (*Submitted*). **(IF 4.165)**

- **Jan AT**, Lee EJ, Choi I. Bioengineered meat: Technological advancement on the cross roads of sustainability in food for human health. **Food Res Int.** (*Submitted*). **(IF 3.182)**

- **Jan AT**[#], Lee EJ[#], Baig MH, Ahmad K, Rabbani G, Choi I. Genomic analysis of fibromodulin regulation of myogenic program. **(**Under preparation**).**

BOOK CHAPTERS

- **Jan, A.T.,** Ali, A. and Haq, Q.M.R **(2014)** Phytoremediation: A promising strategy on the crossroads of remediation. (Elsevier, Academic Press).

- **Jan, A. T.,** Ali, A. and Haq, Q.M.R. **(2012)** Potential of chelation therapy in heavy metal toxicity.

ABSTRACT PUBLISHED

- **Jan AT**, Baig MH, Lee EJ, Choi I. **(2018).** Study of Advanced Glycation End (AGE) products affecting myogenesis and its modulation by natural compounds. 7th Internation Congress on Lipid and Atherosclerosis, held at Conrad Hotel, Seoul, **Republic of Korea during Aug 31-Sept 01' 2018**.

- **Jan AT**, Lee EJ, Choi I. **(2017).** Mechanistic insights into amelioration of muscular dystrophies by natural compounds. International conference of Korean Society for Molecular and Cellular Biology **Sept 12-14**, held at COEX, Seoul, **Republic of Korea**.

- Baig MH, **Jan AT,** Lee EJ, Choi I. **(2017).** MuscleDB: A database for gene involved in muscle development. International conference of Korean Society for Molecular and Cellular Biology **Sept 12-14**, held at COEX, Seoul, **Republic of Korea**.

- Ahmad K, Baig MH, **Jan AT,** Lee EJ, Choi I. **(2017).** Identification of novel inhibitors for GAPDH for treatment of multi-neurodegenerative diseases through pharmacophore modeling and docking approach. International conference of Korean Society for Molecular and Cellular Biology **Sept 12-14**, held at COEX, Seoul, **Republic of Korea**.

- **Jan AT**, Lee EJ, Choi I. **(2016).** Transthyretin: A protein controlling progression of murine myoblast cells in the myogenic program. **July 23-29**, held at Keystone resorts, Denver, Colarado, USA. (Poster # …).

- **Jan AT**, Ahmad S, Almigeiti A, Galope R, Choi I. **(2015).** Exploiting promoters: A step towards unraveling the hidden mysteries behind calcium signaling in myogenesis. International conference of Korean Society for Molecular and Cellular Biology, **September 21-23**, held at COEX, Seoul, **Republic of Korea**.

- Lee EJ, **Jan AT**, Pokharel S, Choi I. **(2014).** Fibromodulin: A modulator highly expressed during myogenesis. International conference on Skeletal Muscle Satellite and Stem Cells, **July 20-25**, held at Steamboat Springs, **Colarado, USA**. (Poster # 53).

- Ashraf JM, **Jan AT**, Choi I. **(2014).** Role of methylglyoxal in diabetic myopathy". Annual Meeting. Korean Society for Biochemistry and Molecular Biology. **Republic of Korea**

- Azam M, **Jan AT**, Haq QMR. **(2014).** No armor for defense against two-headed foe: ESBL producing *E.coli* isolates harboring blaCTX-M and mer operon genes. International Conference on Emerging Trends in Biotechnology (ICETB 2014), **November 6-9**, held at School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India. (MBF-41)

- **Jan AT**, Azam M, Haq QMR. **(2012).** "Screening of *Pseudomonas* isolates collected from river Yamuna (Delhi stretch) for the presence of mercury resistance determinants *mer*B, *mer*P and *mer*T". International conference on Microbial World: Recent Innovations and Future Trends (53nd AMI conference), **November 22-25**, held at KIIT University, Odisha, India.

- **Jan AT**, Ali A, Haq QMR. **(2011).** "Molecular characterization of determinants for mercury resistance for use in bioremediation". International conference on Microbial Biotechnology for sustainable development (52nd AMI conference), **November 3-6**, held at Panjab University, Chandigarh, India (MM-66).

- Azam M, **Jan AT**, Warsi MK, Haq QMR. **(2011).** "Molecular cloning of mercury transporter genes mer P and mer T from mercury tolerant bacterial isolates and their antibiotic profiling". International conference on Microbial Biotechnology for

sustainable development (52nd AMI conference), **November 3-6**, held at Panjab University, Chandigarh, India (MM-71).

- Warsi MK, **Jan AT**, Haq QMR. **(2011).** "Study of pesticides and multimetal tolerance in bacteria isolated from effluents of industrial area". International conference on Biotechnology for better tomorrow (BTBT-2011) and 15th convention of Microbiologist Society, **February 6-9**, held at BAMU Aurangabad, Maharashtra, India (APN 63).

- **Jan AT**, Warsi MK, Ali A, Haq QMR. **(2010).** "16S rDNA sequences as signature character to identify mercury tolerant bacteria from diverse polluted sites of India". International symposium on Recent advances in cross-discipilinary microbiology: Avenues and Challenges (51st AMI conference), **December 14-17**, held at BITS Ranchi, India (EM-59).

- **Jan AT**, Islam MN, Warsi MK, Haq QMR. **(2009).** "Isolation and characterization of mercury tolerant bacteria from river Yamuna, Delhi". International conference on Microbial Biotechnology, MICROCON 2009: Microbes for the sustainability of mankind. **March 3-4**, held at Department of Microbial Biotechnology, Punjab University, Chandigarh.

SYMPOSIUMS ATTENDED

- BioEpoch (**2009**), Ist annual symposium organized by School of Biotechnology, Jawaharlal Nehru University, New Delhi – 110067.
- Polymer Science and Technology – Vision and Scenario (**2009**), National seminar organized by Jamia Millia Islamia, New Delhi – 110025.
- Mathematics in Biology (**2008**), an interdisciplinary Science Conference organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi – 110025.
- Recent trends in Research in Biological Sciences (**2007**), an interdisciplinary Science Conference organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi – 110025.

WORKSHOP ATTENDED

- Attended six days summer school on Genetic Engineering (2007), organized by Department of Botany, Jamia Hamdard in collaboration with Dr. Asad Ahmad (Professor Emeritus, University of Alberta.

RESEARCH SKILLS

- ***Microbiology:*** Culturing, Isolation and Screening of bacteria, Preparation of Gene Knockouts.

- ***Molecular Biology:*** Plasmid Isolation, Genomic DNA isolation, Primer designing, PCR (Normal, RT-PCR, Multiplex PCR), Cloning, Transformation, Restriction digestion, Expression in Bacterial Systems, Blotting.

- **Cell Biology:** Cell culture, Preparation of Knockdown constructs, Transfection in different cell lines, Preparation of constructs and Luciferase assay, Western Blotting

- ***Immunology:*** ELISA, FACS (BD Accuri).

- ***Computer knowledge:*** MS-office, Sigma Plot and Experience of various Bioinformatics tools such as Bioedit, ClustaX, ClustalW, Tree view, Gene runner program, MacVector, Assembler and Sequencher used for biological data analysis.

SEQUENCE SUBMISSIONS

HM149544, HM149545, HM149546, HM149547, HM149548, HM149549, HM149550, HM149551, HM149552, FJ613641, FJ613642, FJ613643, FJ613644, FJ613645, GU391260, GU569895, GU479029, GU569896, GU569897, U569898, FJ605506, FJ605507, FJ605508, FJ609642, FJ609643, FJ609644, JN188359, JN188360, JN188361, JN188362, JN188363, JN188364, JN188365, JN188366, JN188367, JN188368, JN188369, JN188370, JF927778, JF927779, JF927780, JF927781, JF927782, JF927783, JN188332, JN188333, JN188334, JN188335, JN188336, JN188337, JN188338, JN188339, JN188340, JN188341, JN188342, JN188343, JN188344, JN188345, JN188346, JN188347, JN188348, JN188349, JN188350, JN188351, JN188352, JN188353, JN188354, JN188355, JN188356, JN188357, JN188358, FJ613641, HM804085 + 70 more

REFEREES NAME AND CONTACT DETAILS

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   Jamia Hamdard, Sangam Vihar, New Delhi
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   Department of Biotechnology
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3. **Dr. Qazi Mohd. Rizwanul Haq.**
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4. **Dr. Mohd. Aman Jairajpuri**
   Professor
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   New Delhi-110025
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DECLERATION

I hereby declare that the given above information are true to the best of my knowledge and belief and can be supported with reliable documents when needed.

Place: Rajouri

Date: Mar 09' 2019 ***(Arif Tasleem Jan)***