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University of Kashmir, Srinagar, India, 190006
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Education:

1997-2002 Ph.D. in Molecular Signaling, IIT Bombay, India
1995-1997 M.Sc. in Biochemistry, Aligarh Muslim University, Aligarh (U.P.).
1992-1995 B.Sc. in Biochemistry, Aligarh Muslim University, Aligarh (U.P.).

Positions Held/Holding:

Feb. 2019- Present **Professor**, Department of Biotechnology, University of Kashmir, Srinagar, JK, 190006, India.
Feb. 2016- Feb 2019 **Associate Professor**, Department of Biotechnology, University of Kashmir, Srinagar, JK, 190006, India.
Sep. 2014 – Feb. 2016 **Assistant Professor**, Department of Life Sciences, King Fahd University of Petroleum and Minerals, Dhahran, KSA, (on extra ordinary leave).
Apr. 2005- Feb. 2016 **Assistant/Senior Assistant Professor**, Department of Biotechnology, University of Kashmir, Srinagar, JK, 190006, India.
Apr. 2005- Apr. 2006 **Research Assistant Professor Faculty**, Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA, 15213, USA.
Jan. 2002- Mar. 2005 **Post-Doctoral Fellow**, Dept. of Medicine, Johns Hopkins Medical Institute, Baltimore, MD, 21205, USA.
1999-2002 **Senior Research Fellow**, IIT Bombay, India.
1997-1999 **Junior Research Fellow**, IIT Bombay, India.

Awards and Honours:

2010 Young Scientists Award awarded by Science and Technology Council, Govt. Of Jammu & Kashmir. Award given away by H'able Vice president of India, Mahmood Hamid Ansari.
2010 Certificate of Merit (Best teacher/researcher) awarded by University of Kashmir for in 2010.
2007 Innovative Young Biotechnologists Award, for the year 2007, from The Department of Biotechnology, Ministry of Science and Technology, Govt. of India, and given away by then Union Minister of Earth & Environmental Sciences, Dr. Kapil Sibal.
Earned Grade "Excellent" for teaching masters students at University of Kashmir, based on student response and evaluated by IQUAC of University of Kashmir.
1997 Ranked first in Departmental Interview for Doctoral Candidates, Biotechnology Center, 1997, IIT Bombay, India.

- 1997 Qualified Graduate Aptitude Test for Engineering (GATE) in 1997.
- 1995 – Holder of Departmental Merit Scholarship, at Masters level, 1995-1997, AMU, Aligarh.
1997

Core Research Interests:

Signal transduction mechanisms in Health and Disease.

Supervision of Postdocs/Undergraduate/Graduate/Ph.D. Fellow:

Degrees Awarded	Ph.D.: 12, M.Phil: 06
Students currently under supervision	PhD: 05
M.Sc project/ summer training Guidance	25
Post-Doc fellows Trained	02

Committee Member:

1. Grant review Committee member on National Funding agency, (DBT, India) Health section.
2. External Examiner Member for universities including AMU, SKIMS, SKUAST-K, IUST, Integral University Lukhnow.
3. Member, Safety Committee, Kashmir University.
4. Coordinator, Internal Quality Assurance Cell, Kashmir University.
5. Member, Board of Research Studies, Islamic University of Sci. & Technology, Awantipora, Kashmir.

Editorial Board member & Reviewer:

Editorial board member	The Open Biomarkers Journal
Editorial board member	Journal of Enzymology & Metabolism
Reviewer	Journal of Pharmacognosy and Phytotherapy
Reviewer	Journal of experimental and clinical cancer research
Reviewer	Arab Journal for Science and Engineering
Reviewer	Cancer Journal
Reviewer	Pharmaceutical Biology
Reviewer	Renal failure
Reviewer	Cell Biology Insights
Reviewer	Journal of Cellular Biochemistry
Reviewer	Molecular and Cellular Biochemistry
Reviewer	Anti-cancer agents in Medicinal Chemistry
Reviewer	Bioscience Reports
Reviewer	International Journal of Biological Macromolecules
Reviewer	Cells
Reviewer	Bioorganic Chemistry

GRANT(S) HELD/ HOLDING:

As Principal Investigator:	07
As Mentor	02
As Co-PI	04
As Scientific Advisor (BIRAC project)	01

Research Grants Completed (Principle Investigator):

<u>S.No.</u>	<u>Project Title</u>	<u>Funding Agency</u>	<u>Status</u>
1.	To study the regulation of P66shc in different forms of Cancers.	DBT, Ministry of Science and Technology, Govt. Of India.	Completed (2008-2011)
2.	To study the regulation of EPS8 and E3b1 proteins: Implications on Rac1 induced reactive oxygen species production.	DBT, Ministry of Science and Technology, Govt. Of India.	Completed (2007-2010)
3.	To understand the signal transduction pathway involving the role of p66shc, and RhoGTPase racl in neuronal cells	DBT, Ministry of Science and Technology, Govt. Of India.	Completed (2012-2015)
4.	To Study the expression and regulation of alpha1 syntrophin in cell signal transduction.	DBT, Ministry of Science and Technology, Govt. Of India.	Completed (2010-2013)
5.	To investigate the signal transduction role of MKK6 and alpha 1 syntrophin in Breast cancers.	DST, India	Completed (2014-2017)
6.	Anticancer drug(s) effect on pro-carcinogenic Alpha 1 Syntrophin	DSR, KFUPM	Completed (2015-2016)
7.	Syntrophin mediated signaling disturbances in neuronal cells	DBT, Ministry of Science and Technology, Govt. Of India.	Completed (2017-2020)

As Scientific Advisor:

1.	Method for staining the Proteins	DBT (BIRAC)	Ongoing (2024-27)
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Teaching Experience:

1. Teaching experience in conducting Biophysics and Genetic engineering laboratory courses for M.Sc. students in IIT Bombay, Biosciences & Bioengineering Department.
2. Also experienced in instructing technicians in the Kaikobad,s (post-doc mentor) Lab in planning and executing experiments.
3. Provided guidance to new postdoctoral researchers in the areas of cell signaling.
4. Involved in teaching Masters Level students since September 2005 in the Deptt. of biotechnology at University of Kashmir.
5. Teaching and research/Lab at King Fahd University of petroleum and minerals, KSA.

External Examiner Duties (External Universities):

1. Sher-i-kashmir institute of Medical Sciences, Srinagar, as external examiner for thesis and immunology/cell biology labs. Also have set up theory question papers for M.Sc. Lab technology course at the institute.

2. AMU Aligarh, External examiner for cell Biology theory paper.
3. Baba Gulam Shah Badshah University, as an external expert for animal cell sciences paper.
4. Integral University Lukhnow, as an external expert for Molecular and cell biology Paper.
5. IUST, Awantipora, Examiner for PhD Programme.
6. Member Board of Reseach Studies, Islamic University of Science & Technology, Kashmir.
7. Thesis evaluation examiner for Department of Biotechnology, IIT Madras, Chennai.

Peer-reviewed Publications (Corresponding Author):

1. Patoo TS, Kim SA, *Khanday FA*. BAG3 Mediated Down-regulation in Expression of p66shc has Ramifications on Cellular Proliferation, Apoptosis and Metastasis. **Cell Biochemistry and Biophysics**. (2024). 1-14. **IF: 2.19**
2. Patoo TS, *Khanday FA*. Corelating the molecular structure of BAG3 to its oncogenic role. **Cell Biology International**. (2024). 48 (8), 1080-1096. **IF: 3.61**
3. Hassan F, Mir H, Shafi A, *Khanday FA*. In Vitro Antioxidant Potential of *Hippophae rhamnoides* Protects DNA Against H₂O₂ Induced Oxidative Damage. **Arabian Journal for Science and Engineering**. (2024) 49 (1), 77-85. **IF: 2.60**
4. Baba RA, Mir HA, Mokhdomi TA, Bhat HF, Ahmad A, *Khanday FA*. Quercetin suppresses ROS production and migration by specifically targeting Rac1 activation in gliomas. **Frontiers in Pharmacology**, (2024). 15, 1318797. **IF: 5.6**
5. Mir HA, Ali R, Wani ZA, *Khanday FA*. Pro-oxidant vitamin C mechanistically exploits p66Shc/Rac1 GTPase pathway in inducing cytotoxicity. **International Journal of Biological Macromolecules**, (2022). 205, 154-168. **IF: 8.02**
6. Ali R, Mir HA, Hamid R, Bhat B, Shah RA, *Khanday FA*, Bhat SS. Actin Modulation Regulates the Alpha-1-Syntrophin/p66Shc Mediated Redox Signaling Contributing to the RhoA GTPase Protein Activation in Breast Cancer Cells. **Frontiers in oncology**, (2022). **12, 841303. IF: 5.73**
7. Mushtaq U, Bashir M, Nabi S, *Khanday FA*. Epidermal growth factor receptor and integrins meet redox signaling through P66shc and Rac1. **Cytokine**, (2021). 146, 155625. **IF: 3.86**
8. Ali A, Mir HA, Hamid R, Shah RA, *Khanday FA*, Bhat SS. Jaspilakinolide Attenuates Cell Migration by Impeding Alpha-1-syntrophin Protein Phosphorylation in Breast Cancer Cells. **The Protein Journal**, (2021). **40, 234-244. IF: 4.0**
9. Mushtaq U, Bhat SS, Parray AA, Nabi S, Wani AH, Qurashi AH, Siddiqui KS, *Khanday FA*. A simple, economical and environmental-friendly method for staining protein gels using an extract from walnut-husk. **Chemico-Biological Interactions**, (2021). 333, 109310. **IF: 5.19**
10. Mir HA, Ali R, Mushtaq U, *Khanday FA*. Structure-functional implications of longevity protein p66Shc in health and disease. **Ageing Research Reviews**, (2020). **63, 101139. IF: 13.1**
11. Bhat SS, Mushtaq U, Ali A, *Khanday FA*. Flavonoid Treatment of Breast Cancer Cells has Multifarious Consequences on Alpha-1-Syntrophin Expression and other Downstream Processes. **Arabian Journal for Science and Engineering**, (2020). **45(6), 4511-4516 IF: 2.9.**
12. Bhat SS, Ali R, *Khanday FA*. Syntrophins entangled in cytoskeletal meshwork: Helping to hold it all together. **Cell Proliferation**, (2019). 52(2), e12562. **IF: 8.5**
13. Hassan F, Mir H, Shafi A, *Khanday FA*. In Vitro Antioxidant Potential of *Hippophae rhamnoides* Protects DNA Against H₂O₂ Induced Oxidative Damage. **A. Journal Science and Engineering**. 2023. **49(1), 77-85. IF: 2.9**
14. Baba RA, Mushtaq U, Parray AA, Kirmani D, Wani L, *Khanday FA*. Involvement of mitogen-activated protein kinase kinase 6 in breast tumorigenesis. **International Journal of Advanced Research**, (2017). 5(9), 1626-1630.

15. Bhat SS, Parray AA, Mushtaq U, Fazili KM, *Khanday FA*. Actin depolymerization mediated loss of SNTA1 phosphorylation and Rac1 activity has implications on ROS production, cell migration and apoptosis. **Apoptosis**, (2016). 21(6):737-48. **IF: 7.5**
16. Bhat SS, Anand D, *Khanday FA*. P66Shc as a switch in bringing about contrasting responses in cell growth: implications on cell proliferation and apoptosis. **Molecular Cancer**, (2015). 14:76. **IF: 37.3**
17. Mushtaq U, Baba RA, Parray AA, Saleem S, Bhat HF, Manzoor U, Kuchay S, Wani L and *Khanday FA*. Mitogen activated protein kinase kinase-4 upregulation is a frequent event in Human Stomach and Colon Cancers. **Journal of Enzymology and Metabolism**, (2014). 1: 1-6
18. Parray AA, Baba RA, Bhat HF, Wani L, Mokhdomi TA, Mushtaq U, Bhat SS, Kirmani D, Kuchay S, Wani MM, *Khanday FA*. MKK6 is upregulated in human esophageal, stomach and colon cancers. **Cancer Investigation**, (2014) 32 (8), 416-422. **IF: 2.4**
19. Bhat HF, Baba RA, Adams ME, *Khanday FA*. SNTA1 mediated Rac1 Activation Modulates ROS generation and Migratory potential in Human Breast Cancer Cells. **British Journal of Cancer**, (2014). 110(3):706-14. **IF: 8.8**
20. Bashir M, Baba RA, Bhat HF, Parray A, Andrabi K and *Khanday FA*. β - Amyloid evoked apoptotic cell death is mediated through MKK6-p66shc pathway. **NeuroMolecular Medicine**, (2014). 16(1):137-49. **IF: 3.5**
21. Bhat HF, Adams ME, *Khanday FA*. Syntrophin proteins as Santa Claus: role(s) in cell signal transduction. **Cell Mol Life Sci**, (2013). 70(14):2533-54. **IF: 8.0**
22. Kirmani D, Bhat HF, Bashir M, Zargar MA, *Khanday FA*. P66Shc-rac1 pathway-mediated ROS production and cell migration is downregulated by ascorbic acid. **J Recept Signal Transduct Res**, (2013). 33(2):107-13. **IF: 2.09**
23. Baba RA, Bhat HF, Wani LA, Bashir M, Wani MM, Qadri SK, *Khanday FA*. E3B1/ABI-1 isoforms are downregulated in cancers of human gastrointestinal tract. **Disease Markers**, (2012). 32(4):273-9. **IF:3.43**
24. Bhat HF, Baba RA, Bashir M, Saieed S, Kirmani D, Wani MM, Wani NA, Wani KI, *Khanday FA*. Alpha-1-Syntrophin protein is differentially expressed in human cancers. **Biomarkers**, (2011). 16(1):31-6. **IF: 2.65**
25. Bashir M, Kirmani D, Bhat HF, Baba RA, Hamza R, Naqash S, Andrabi KI, Zargar MA, *Khanday FA*. P66shc and its associate targets are upregulated in esophageal cancers. **Cell Comm and Signaling**, (2010). 1;8:13. **IF: 8.4**

Doctoral and Postdoctoral Peer-reviewed Publications:

26. Santhanam L, Hyun K L, Victor M, Tahsabee B, Meet P, Sarit B, Sungwoo R, Mirinda A, Kaikobad I , *Khanday FA*, Luigi D C, Daniel N, Joshua M H, David W C, Richard R, Artin S, Dan E B Inducible NO Synthase Dependent S-Nitrosylation and Activation of Arginase1 Contribute to Age-Related Endothelial Dysfunction. **Circ Res**, (2007). 101(7):692-702. **IF: 20.1**
27. *Khanday FA*, Santhanam L, Kasuno K, Yamamori T, Naqvi A, Dericco J, Bugayenko A, Mattagajasingh I, Disanza A, Scita G, Irani K.Sos-mediated activation of rac1 by p66shc. **J Cell Biol**, (2006). 172(6):817-22. **IF: 8.07**
28. *Khanday FA*, Yamamori T, Mattagajasingh I, Zhang Z, Bugayenko A, Naqvi A, Santhanam L, Nabi N, Kasuno K, Day BW, Irani K. Rac1 leads to phosphorylation-dependent increase in stability of the p66shc adaptor protein: role in Rac1-induced oxidative stress. **Mol Biol Cell**, (2006). 17(1):122-9. **IF: 4.13**
29. Yamamori T, White AR, Mattagajasingh I, *Khanday FA*, Haile A, Qi B, Jeon BH, Bugayenko A, Kasuno K, Berkowitz DE, Irani K. P66shc regulates endothelial NO production and endothelium-dependent vasorelaxation: implications for age-associated vascular dysfunction. **J Mol Cell Cardiol**, (2005). 39(6):992-5. **IF: 5.0**

30. Matsushita K, Morrell CN, Mason RJ, Yamakuchi M, *Khanday FA*, Irani K, Lowenstein CJ. Hydrogen peroxide regulation of endothelial exocytosis by inhibition of N-ethylmaleimide sensitive factor. **J Cell Biol**, (2005). 170(1):73-9. **IF: 8.07**
31. Yang XP, Irani K, Mattagajasingh S, Dipaula A, *Khanday FA*, Ozaki M, Fox-Talbot K, Baldwin WM 3rd, Becker LC. Signal transducer and activator of transcription 3alpha and specificity protein 1 interact to upregulate intercellular adhesion molecule-1 in ischemic-reperfused myocardium and vascular endothelium. **Arterioscler Thromb Vasc Biol**, (2005). 25(7):1395-400. **IF: 8.7**
32. Jeon BH, Gupta G, Park YC, Qi B, Haile A, *Khanday FA*, Liu YX, Kim JM, Ozaki M, White AR, Berkowitz DE, Irani K. Apurinic/aprimidinic endonuclease 1 regulates endothelial NO production and vascular tone. **Circ Res**, (2004). 2004, 95(9):902-10. **IF: 20.1**
33. Jeon BH, *Khanday FA*, Deshpande S, Haile A, Ozaki M, Irani K. Tie-ing the antiinflammatory effect of angiopoietin-1 to inhibition of NF-kappaB. **Circ Res**, (2003). 4;92(6):58. **IF: 20.1**
34. *Khanday FA*, Saha M, Bhat PJ. Molecular characterization of MRG19 of *Saccharomyces cerevisiae*. Implication in the regulation of galactose and nonfermentable carbon source utilization. **FEBS J**, (2002). 269(23):5840-50. **IF: 5.4**
35. Kabir MA, *Khanday FA*, Mehta DV, Bhat PJ. Multiple copies of MRG19 suppress transcription of the GAL1 promoter in a GAL80-dependent manner in *Saccharomyces cerevisiae*. **Mol Gen Genet**, (2000). 262(6):1113-22. **IF: 2.74.**

Collaborative Publications:

36. Rather JA, Punoo HA, Akhter N, Muzzaffar S, Khanday FA, Goksen G. Effect of storage on the physiochemical, rheological, antioxidant activity and sensory properties of soy whey-fortified pineapple juice beverages. **Food Science and Nutrition**. (2024) **IF: 3.55**
37. Wani SM, Masoodi FA, Mir SA, *Khanday FA*. Pullulan production by *Aureobasidium pullulans* MTCC 1991 from apple pomace and its characterization. **Food Bioscience**. (2023). 51, 102254. **IF: 5.2**
38. Patoo TS, *Khanday FA*, Qurashi A. Prospectus of advanced nanomaterials for antiviral properties. **Materials Advances**, (2022). 3, 2960-2970. **IF: 4.7**
39. Wani SM, Gani A, Mir SA, Masoodi FA, *Khanday FA*. β -Glucan: A dual regulator of apoptosis and cell proliferation. **International Journal of Biological Macromolecules**, (2021). 182, 1229-1237. **IF: 8.02**
40. Jan R, Khan MS, Hassan N, Mushtaq U, *Khanday FA*, Bhat MA. Synthesis, surface activity, self-aggregation and cytotoxicity of ruthenium (II) and Oxovanadium (IV) based metallo-surfactants. **Journal of Molecular Liquids**, (2021). 331, 115696. **IF: 5.06**
41. Shemsi AM, *Khanday FA*, Qurashi A, Khalil A, Guerriero G, Siddiqui KS. Site-directed chemically-modified magnetic enzymes: fabrication, improvements, biotechnological applications and future prospects. **Biotechnology Advances**, (2019). 37(3), 357-381. **IF: 16.0**
42. Khan AA, A Gani, *Khanday FA*, FA Masoodi. Biological and pharmaceutical activities of mushroom β -Glucan discussed as a potential functional food ingredient. **Bioactive Carbohydrates and Dietary Fibre**, (2018). 16, 1-13. **IF: 3.62**
43. Khan I, Khalil A, *Khanday FA*, Shemsi AM, Qurashi A, Siddiqui KS. Synthesis, Characterization and Applications of Magnetic Iron Oxide Nanostructures. **Arabian Journal for Science and Engineering**, (2018). 43 (1), 43-61. **IF: 2.9**
44. Bhat SS, Qurashi A, *Khanday FA*. ZnO nanostructures based biosensors for cancer and infectious disease applications: Perspectives, prospects and promises. **Trends in Analytical Chemistry**, (2017). 86, 1-13. **IF: 13.1**
45. Ansari MLH, Hassan S, Qurashi AH, *Khanday FA*. Microfluidic-integrated DNA nanobiosensors. **Biosensors and Bioelectronics**, (2016). 85:247-260. **IF: 12.6**

46. Khan AA, Gani A, Masoodi FA, Amin F, Wani IA, *Khanday FA*, Gani A. Structural, thermal, functional, antioxidant & antimicrobial properties of β -d-glucan extracted from baker's yeast (*Saccharomyces cerevisiae*)—Effect of γ -irradiation. *Carbohydr Polym*, (2016). 20;140:442-50. **IF: 11.2**
47. Khan AA, Gani A, Shah A, Masoodi FA, Hussain PR, Wani IA, *Khanday FA*. Effect of γ -irradiation on structural, functional and antioxidant properties of β -glucan extracted from button mushroom (*Agaricus bisporus*). *Innovative Food Science & Emerging Technologies*, (2015). 74, 102846. **IF: 6.61**
48. Nazir SS, Wani MM, Amin A, *Khanday FA*. Rectal Signet Ring Cell Carcinoma Masquerading as Urinoma: A Case Report. *Research & Reviews: Journal of Medicine*. (2015). 5(3): 12–15.
49. Bhat MA, Wani SA, Muzafar M, Rather MA, Taku AK, *Khandey FA*. Non-specificity of primers used for PCR based serogrouping of *Dichelobacter nodosus* and identification of a novel *D. nodosus* strain. *Anaerobe*, (2013). 21:58-61. **IF: 2.33**

Book/Chapter Publications:

1. CRISPR/Cas-Mediated Genome Editing for Abiotic Stress Tolerance. F Hassan, A Shafi, UM Wani, *FA Khanday*. CRISPR/Cas-Mediated Genome Editing in Plants, Apple **Academic Press**. (2023). 257-277.
2. Strigolactones: regulation of biosynthesis, hormonal crosstalk, and its role in abiotic stress adaptation. Shafi A, Farhana H, *Khanday FA*. Emerging Plant Growth Regulators in Agriculture. **Apple Academic Press**, (2022), 287-302. [ISBN: 9780323910057](#)
3. Shafi, A, Hassan, F, and *Khanday, FA*, 2022. Reactive Oxygen and Nitrogen Species: Oxidative Damage and Antioxidative Defense Mechanism in Plants under Abiotic Stress. *Plant Abiotic Stress Physiology: Volume 1: Responses and Adaptations*, p.71-99, **Responses and Adaptations**. [ISBN: 9781003180562](#).
4. Mir HA, Ali R, *Khanday FA*. ShcA Family of Adaptor Proteins: Dual Role in Cell Growth. *Topics in Anti-Cancer Research: Bentham Publishers*, (2020). [ISBN: 978-981-14-7660-0](#).
5. Ali R, Mir HA, Hamid R, Saleem S, *Khanday FA*. Targeting Cancer Stem Cells: Implications in Health and Disease. **Frontiers in Clinical Drug Research - Anti-Cancer Agents: (2021)**. Volume 6. [ISBN: 978-981-14-2573-8](#).
6. Current Challenges in Alzheimer's Disease. Mushtaq U, Shafi A, *Khanday FA*, (2020). **Frontiers in Clinical Drug Research-Dementia: Vol. 1 1**, 187. [ISBN: 9789811410932](#).
7. RhoGTPase Rac1 in Cancers. Kirmani D, *Khanday FA*. **LAP LAMBERT Academic Publishing**, (2011).
8. EPS8 and E3B1 Proteins in Human Cancers: Expression Analysis. Baba RA and *Khanday FA*. **LAMBERT Academic Publishing**, (2011).
9. Oxidant Signal Transduction: Recent Advances. *Khanday FA*. **Standard Publishers, New Delhi**. 2012.
10. Alpha-1-Syntrophin Protein Expression in Human Cancers. Bhat HF, *Khanday FA*, Zuhaib Bhat. **LAP LAMBERT Academic Publishing**, (2011).
11. Chapter on Oxidant signaling molecule P66shc, Saleem Sahar, *Khanday FA*. **Encyclopedia of signaling Molecules, Springer (2017)**. [ISBN 978-3-319-67200-7](#).
12. Chapter on signaling molecule Alpha 1 syntrophin, Saleem Sahar, *Khanday FA*. **Encyclopedia of signaling Molecules, Springer (2017)**. [ISBN 978-3-319-67200-7](#).
13. Chapter on signaling molecule Gamma 1 syntrophin, Mushtaq U, *Khanday FA*. **Encyclopedia of signaling Molecules, Springer (2017)**. [ISBN 978-3-319-67200-7](#).

Posters And Presentations:

1. *Firdous A. Khanday*, Paik J. Bhat “MRG19 suppresses transcription of GAL1 promoter in GAL80 dependent manner in *Saccharomyces cerevisiae*”, Conference on Transcription

assembly and Nucleic Acid-protein interactions, Indian Institute of Science, Bangalore, India, June 1999.

2. **Firdous A. Khanday**, Paiké J. Bhat "Molecular characterization of MRG19: Possible role in the regulation of carbon utilization in *Saccharomyces cerevisiae*" Conference on Microbiotech 2000, Birla institute of Sciences, Jaipur, November 2000.
3. Paiké J. Bhat, **Firdous A. Khanday**, "Molecular characterization of MRG19: Dual regulation in the utilization of fermentable and non-fermentable carbon sources" Symposium on microbiology at IMTECH, Chandigarh, March 2001.
4. Attended 27th annual molecular biology symposium conducted by TIFR at Mahableshwar, Maharashtra, in March 2002.
5. Azeb Haile, Byeong Hwa Jeon, Shailesh Deshpande, **Firdous A. Khanday**, and Kaikobad Irani. Regulation of Endothelial Nitric Oxide Synthase Expression and Activity by the p66shc Adaptor Protein. Research Retreat at applied physics laboratory, April 2003, Baltimore, MD USA.
6. Byeong Hwa Jeon, Young Chul Park, Azeb Haile, Bing Qi, **Firdous A. Khanday**, Shailesh Deshpande, Yan-Xia Liu, Michitaka Ozaki, Dan Berkowitz, and Kaikobad Irani. Regulation of endothelial nitric oxide production and vascular tone by redox factor-1. Research Retreat at applied physics laboratory, April 2003, Baltimore, MD USA.
7. Participated in National Science Congress held in University of Kashmir, in the year 2006.
8. Delivered a seminar on "Role of p66shc in signal transduction" at IIT Bombay, on 6th October 2006.
9. Participated in the international symposium on Genome instability and cancer held and organized by the deptt. of Biotechnology and SKIMS at SKICC, srinagar, in the year 2007.
10. Participated in National Science Congress held at University of Kashmir, in the year 2010.
11. Participated in Regional Science Congress held at University of Kashmir, in the year 2013.
12. Invited lectures delivered at academic staff college, University of Kashmir, 2011-12.
13. Oral presentation at international conference on "Cellular and Molecular Mechanisms in Disease Processes", held at University of Kashmir, April 13-16, 2014, Srinagar, India.
14. Participated in Biomedical Science Congress conducted by SKIMS, Srinagar, 16th July 2017.
15. Invited lecture delivered at academic staff college (refresher course), University of Kashmir, 2017.
16. Delivered 4 lectures on cell biology at training course conducted by Indian National Science Academy as "science Academies Refresher course" Oct 23rd to Nov 6th 2017.
17. Served as coordinator of Panel Discussion on "Biological Interventions: Ethical, Legal and Social Issues". 2nd to 4th April 2018.
18. Delivered lecture on "Biological Interventions: Ethical, Legal and Social Issues". 2nd to 4th April 2018.
19. Online talk on "Signal transduction in Disease and Health", Deptt. Of Biosciences & Bioengineering, IIT Bombay, Mumbai, June 29, 2021.
20. Invited speaker 14 days high end workshop (Karyashala) Nov., 28th - Dec 11th 2022. Delivered talk on "The Prooxidant side of Vitamin C".

Research Index:

Total Impact Points/Factor:	330
H-index:	24
i10 index:	35
Citations:	2017

Google Scholar Link:

<https://scholar.google.co.in/citations?user=zmqytlIAAAAJ&hl=en>

Place: Srinagar, Kashmir

Dated: 19-10-2024

Dr. Firdous A. Khanday