

KHURSHID IQBAL ANDRABI

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Srinagar, Kashmir 190006, India

BORN: **JULY 15, 1963**

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CURRENT STATUS

Professor

Department of Biotechnology
University of Kashmir
J&K-190006 India

PROFESSIONAL EXPERIENCE

Vice Chancellor

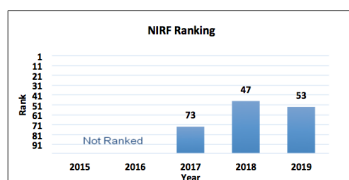
University of Kashmir, J&K-190006 India

(Oct 2014 - Aug 2018)

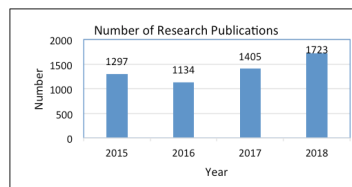
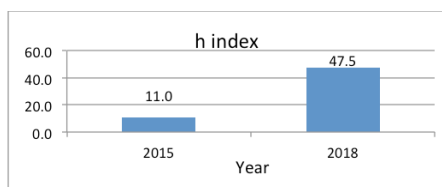
Major Contributions:

University Stature:

Achieved National Institutional Framework (NIRF) ranking of 47...Highest ever for the University during my tenure.

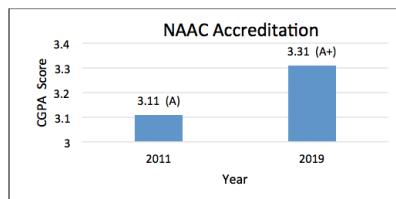


Research Credentials:



Accreditation:

Achieved A plus Grade in Accreditation by National Accreditation and Assessment Council (NAAC) for three years and seven months of my tenure (2015-2018)



Reforms:

Administrative Reforms:

- Recruitment Policy (Non teaching) UC item#50, Apr 13,2015
- Recruitment policy for entry-level officers UC item#50, Apr 13,2015
- Financial Reform policy UC item #36 Apr 25,2016
- University Hostel Policy UC item#17, Apr 22,2017
- Implementation of MFCS for IT Scientists UC item#44, Oct 23,2015

Research Reforms:

- Recruitment for researchers with Re-entry Fellowship UC item#34, Apr 13,2015
- Incentivized project execution policy UC item#54, Oct 23,2015
- Constitution of Research Council parallel to Academic Council UC item#02, Oct 24,2017
- Anti plagiarism policy UC item#20, Apr 22,2017
- Introduction of integrated MPhil/PhD program with exit option UC item#13, Oct 24,2017

Teaching Learning Reforms:

- Policy for evaluating teacher performance UC item#04, Apr 13,2015
- Consultative/interactive evaluation procedure UC item#06, Oct 23,2015
- Policy for transition from Faculty to School system UC item#02, Oct 23,2015
- Policy for Inter University credit Transfer UC item#01, Oct 24,2017
- Policy for inter university degree equivalence UC item#10, Oct 24,2017
- Policy for short listing entry-level teachers UC item#10, Apr 10,2018
- Introduction of 50% Evaluation through MCQ UC item#06, Apr 13,2015

Exam Reforms:

- Introduction of **one student one form**, abolishment of Multiple Examination Forms.
- Centralized admission of UG-CBCS 1st Semester.
- Manual marks entry abolished, multiple Evaluation Centers across valley established.
- Question Bank for UG Courses.
- Instant live result status made available for all P.G & U.G Courses
- Introduction of CBCS for UG courses
- Introduction of Single transcript instead of multiple marks certificates for all UG and PG Students
- Introduction of Secure Transcripts and Degree Certificates

UC item#04, Oct 24,2017

Institution Infrastructural development:

- Established Kargil and Leh campuses as University off campuses.
- Established University Engineering College, Zakura off campus.

- Establishment of Institute of Paramedical Science at University South Campus.
- Established Directorate of Admission & Competitive Examinations.
- Established Directorate of National Academic Depository and Data Analytics
- Established Transit campus at Jammu
- Two new Hostels at Main campus
- Two new hostels at Engineering college of the University
- Administrative block and additional block for law school at main campus

Dean Research

University of Kashmir, J&K-190006 India

(Feb 2012 - Nov 2014)

Major Contributions:

Established the office of Dean Research as a single window platform for research policy formulation and assistance for researchers in generating extra mural funding from national and international agencies.

- Equipment and Consumable purchase policy

UC item#02, Oct 27,2014

Professor and Head

Department of Biotechnology*,
University of Kashmir, J&K-190006 India

(Oct 2003 - May 2012)

Major Contributions:

Established the department of Biotechnology at the university as a world-class facility for quality education and research. The facility has won national as well as international acclaim and attracts researchers from across the globe.
Accredited Rank “A” by the Department of Biotechnology, Govt of India. Ranked among top 10 biotech departments of the country through independent evaluation.

Associate Professor and Head

Department of Biochemistry
University of Kashmir, Srinagar J&K, India

(Mar 2001 – Sep 2003)

Associate Professor

Department of Biochemistry
University of Kashmir, Srinagar J&K, India

(Sep 1997– Sep 2003)

Lead Scientist / Assistant Professor Research

Department of Ophthalmic Research
Cleveland Clinical Foundation, 9500 Euclid Avenue,
Cleveland, OH 44195, USA

(Oct 1999- Sep 2000)

Associate Professor

Department of Clinical Biochemistry
SK Institute of Medical Sciences,
Soura Srinagar, 190 011, Kashmir, India

(April 1996-Aug 1997)

RESEARCH

Post Doctoral Fellow

Department of Medicine Harvard Medical School
Massachussets General Hospital

Boston, MA 02129, USA

(Oct 1992-March 1996)

Major Contributions:

Worked with Prof. Joseph Avruch, a pioneer in the field of signaling biology with discovery of Insulin receptor phosphorylation to his credit.
Collaborated with 1992 Nobel Laureate, Prof. Edwin G Krebs to understand protein kinase CKII regulation of translation.

Post Doctoral Fellow

Department of Biomedical research
St. Elizabeth's Medical Center of Boston
Tuft's University Medical School
Boston, MA 0213 USA

(June 1991-Sept 1992)

Post Doctoral Fellow

Department of Experimental Medicine and Biotechnology
Postgraduate Institute of Medical education and Research
Chandigarh, 160 012 India.

(Mar 1990- Sept 1990)

ACADEMIC

PhD (US equivalence by CED, USA)

Department of Experimental Medicine and Biotechnology
Postgraduate Institute of Medical education and Research
Chandigarh-160 012, India

(June 1985- Feb 1990)

MS (Biochemistry) (US equivalence by CED, USA)

Department of Biochemistry
University of Kashmir,
Srinagar, J&K 190 006, India

(March 1983- May 1985)

AWARDS & HONOURS

International Supporting Citation for reliable research (2020) Of the 1,083,840 million papers that have been cited in our database in 2020, only 86,246 (8%) have received a supporting citation.
<https://scite.ai/reports/10.1155/2014/686984>.

Most downloaded research paper of the year (2019) J Cellular biochemistry (Wiley)

Sanofi Award (2017) for best original research in diabetes by Research Society for Study of Diabetes in India (RSSDI)

Certificate of appreciation for excellence in teaching (2019) based on student feedback score of 8.5/10

Certificate of Merit for Excellent Overall performance (2007-08) University of Kashmir, JK India

Certificate of excellence in teaching based on student feedback evaluation (2006) University of Kashmir, JK India

Young Scientist Award (1998) State Department of Science & Technology, Kashmir, India

National Entrance test for Research Fellowship NET-JRF (1986) Council of Scientific & Industrial Research, India

Gold Medal & Certificate of Distinction (1985) Ist Class Ist Rank in the MSc. Programme

MEMBER PROFESSIONAL BODIES

Board of Award Nominators:

Infosys India Board of advisors, Knimbus India

Journal Editorial boards:

International Journal of Case Reports in Medicine, USA

Asian Journal of Biosciences, India

Board of Reviewers

Cellular and Molecular Biochemistry, Springer, USA

Austin Journal of Biotechnology & Bioengineering, Austin, USA

Mutation Research, USA

International journal of cellular biochemistry USA

Biochemistry, USA

MEMBER ACADEMIC BODIES

Indo-Australian higher education commission

British council for higher education

Member Peer team UGC, India

Project Advisory Board UGC

Project Advisory Board DST

RESEARCH AREA / CONTRIBUTION

Cell and Molecular Biology

Major Contributions:

Molecular Basis of signaling through mTOR pathway

Cellular signals that emanate with a potential to influence processes like nutrient response, Cell survival, Cell growth and proliferation etc. propagate through a common signaling complex, the mechanistic target of rapamycin complex 1 (mTORC1) for effects that are primarily directed at the regulation of protein translation. Ribosomal protein S6 Kinase 1(S6K1) and eukaryotic initiation factor 4E binding protein 1 (4EBP-1), the two downstream effectors of this vital signaling pathway are believed to be regulated directly by mTOR Kinase through site specific phosphorylation that is believed to activate them for enhanced translational activity. Drugs like rapamycin and torin etc. that inhibit mTOR-kinase activity have therefore, assumed considerable significance as therapeutic recourse for diseases like cancer, ageing and diabetes, wherein mTOR pathway appears to be frequently dysregulated.

Although, phosphorylation of S6K1 and 4EBP-1 by mTOR, at sites attributed to be specific for the kinase, have been defined as the basis of signal propagation through this pathway, it has failed to explain their resistant dynamics in situations that completely inactivate the kinase. We have provided evidence that inhibitors like rapamycin and torin that prevent signal propagation through mTORC1 do so by a mechanism that may not necessarily depend on the kinase activity attributed to mTOR. Our data open up a new dimension to explore the understanding of mTOR signaling beyond its known attributes to pave way for effective therapy against cancer.

RESEARCH STATS.

Research Interest (RG-1197)	<i>Better than 94% of researchers Globally</i>
RG score	<i>Better than 92% of researchers Globally</i>
H index	22
Citations	>2500
Cumulative impact factor	280
Average impact factor	3.2
Number of research articles	87
Number of PhDs produced	25
Number of MPhils	20

PUBLICATIONS

Book Chapters:

Ali S, Afroze D, Rasool J, Rah B and *Andrabi KI* (2020) Immunomodulating agents in the treatment of acute myeloid leukemia: A combinatorial immunotherapeutic approach. *Frontiers in Clinical Drug Research – Anti cancer agents*. pp 1-22 (Bentham Science Publishers)

Majeed ST, Majeed R, Shah G and *Andrabi KI* (November 5th 2018). S6 Kinase: A Compelling Prospect for Therapeutic Interventions. *Homeostasis - An Integrated Vision*, Eds: Fernanda Lasakosvitsch and Sergio Dos Anjos Garnes, (IntechOpen) DOI: 10.5772/intechopen.75209.

Mudassar S, Khan MS, Masoodi SR, Wani KA, Hussain MU and *Andrabi KI* (2016). Molecular Alterations and Expression Dynamics in the Etiopathogenesis of Thyroid Cancer. In *Thyroid Cancer-Advances in Diagnosis and Therapy* (InTech Open)

Prabhu PS, Patravale PB, *Andrabi KI* & Sheikh FA (2016) Nanotherapeutics: future medicine for infectious diseases. *Frontiers in drug design and discovery*. 7, 248-297 (Bentham Science Publishers)

S, Khan MS, Khan NP, Hussain MU, *Andrabi KI* (2014) Possible Role of Proto-Oncogenes in Colorectal Cancer — A Population Based Study, *Colorectal cancer – Surgery, Diagnostics and Treatment*, Dr. Jim S Khan (Edit.): ISBN 978-953-51-1231-0, Intech DOI 10.5772/57380

Reviews:

Batool A, Malik F and *Andrabi, KI* (2020). Expansion of the CRISPER/cas genome-sculpting tool box: Innovations, Applications and challenges. *Molecular diagnosis and therapy*. doi.org/10.1007/s40291-020-00500-8

IF: 3.5

Batool A, Aashaq S and *Andrabi KI* (2019). Eukaryotic Initiation Factor 4E(eIF4E): a recap of the cap binding protein. *Journal of Cellular Biochemistry* doi.org/10.1002/jcb.28851

IF: 4.2

Aashaq S, Batool A and *Andrabi KI* (2019). TAK1 mediates convergence of cellular signals for death and survival *Apoptosis* 2019 Feb 15;24(1-2):3-20.

IF: 4.5

Raja V, Majeed U, Kang H and *Andrabi KI*, John R (2017). Abiotic stress: Interplay between ROS, hormones and MAPKs. *Environmental and Experimental Botany*.

IF: 3.6

Batool A, Aashaq S, & *Andrabi KI* (2017). Reappraisal to the study of 4E-BP1 as

IF: 3.1

an mTOR substrate—A normative critique. *European Journal of Cell Biology* 96(4), 325-336.

Shiekh FA, Farooq O, Mian SH, Bautista RL, Arja SB, & *Andrabi, KI* (2016). The pitfalls of growing nanomaterials. *Nanomedicine* (Lond). 2016 Jul;11(13):1635-8. doi: 10.2217/nnm-2016-0043. Epub 2016 Jun 27

IF: 5.0

Research Articles (Select)

Majeed ST, Batool A, Majeed R, Nazir N, *Andrabi KI* (2021) mTORC1 induces eukaryotic initiation factor 4E interaction with TOS-S6 Kinase1 and its activation. *Cell Cycle* (In Press)

IF: 3.7

Beigh AH, Rasool R, Kawoosa F, Manzoor S, Rashid R, *Andrabi KI*, Shah ZA & Qureshi T (2020) Improved pulmonary function test (PFT) after 1 One year of Sublingual Immunotherapy (SLIT) as adjunct to pharmacotherapy in Mild Allergic Asthmatics. *Immunol Letters* (In Press) doi.org/10.1016/j.imlet.2020.12.004

IF: 3.2

Batool A, Majeed ST, Aashaq S, Majeed R, *Andrabi KI* (2020) Eukaryotic Initiation Factor 4E phosphorylation acts a switch for its binding to 4E-BP1 and mRNA CAP assembly. *Biochem Biophys Res Commun*. doi:10.1016/j.bbrc.2020.04.086

IF: 2.9

Batool A, Majeed ST, Aashaq S, Majeed R, Bhat N, *Andrabi KI* (2020) Eukaryotic Initiation Factor 4E is a novel effector of mTORC1 pathway in cross talk with mnk1. *Mol Cell Biochem*. 465:13-26

IF: 2.8

Batool A, Majeed ST, Aashaq S, Majeed R, Shah G, Bhat N, *Andrabi KI* (2019) Eukaryotic Initiation Factor 4E (eIF4E) sequestration mediates 4E-BP1 response to rapamycin. *International journal of biological macromolecules*. 125:651-9.

IF: 5.1

Bhat NN, Padder BA, Barthelson RA, & *Andrabi KI* (2019). Compendium of Colletotrichum graminicola responsive infection-induced transcriptomic shifts in the maize. *Plant Gene*, 17, 100166..

IF: 2.5

Iqbal MK, Zargar MA, Mudassar S, Lone GN, Yaseen SB, & *Andrabi KI* (2016). Expression Profiling and Cellular Localization of Stress Responsive Proteins in Squamous Cell Carcinoma of Human Esophagus. *Cancer investigation*, 34(6), 237-245.

IF: 2.05

Akther N, *Andrabi K*, Nissar A, Ganaie S, Chandan BK, Gupta AP, & Shawl AS (2014). Hepatoprotective activity of LC-ESI-MS standardized *Iris spuria* rhizome extract on its main bioactive constituents. *Phytomedicine*, 21(10), 1202-1207.

IF: 3.6

Showkat M, Beigh MA, Bashir B, Batool A, *Andrabi KI* (2014) Phosphorylation Dynamics of Eukaryotic Initiation Factor 4E Binding Protein 1 (4E-BP1) is discordant with its potential to interact with Eukaryotic Initiation Factor 4E (eIF4E). *Cellular Signaling* 26: 2117-21

IF: 3.5

Beigh MA, Showkat M, Bashir B, Bashir A, Hussain MU, *Andrabi KI* (2014). Growth inhibition by bupivacaine is associated with inactivation of ribosomal protein S6 kinase 1. *Biomed Res Int* (In Press) doi: 10.1155/2014/831845. Epub 2014 Jan 29.

IF: 2.4

Waza AA, *Andrabi K*, & Hussain MU (2014). Protein kinase C (PKC) mediated interaction between connexin43 (Cx43) and K⁺(ATP) channel subunit (Kir6. 1) in

IF: 3.5

cardiomyocyte mitochondria: implications in cytoprotection against hypoxia induced cell apoptosis. *Cellular signaling*, 26(9), 1909-19

Ismail R, Rashid R, *Andrabi KI*, Parray FQ, Besina S, Shah MA, Hussain M U (2014) Pathological Implications of Cx43 Down-regulation in Human Colon Cancer. *Asian Pacific J cancer prev* 15, 2987-2991 IF: 1.5

Khan MS, Pandith AA, Azad N, Hussain MU, Masoodi SR, Wani KA, *Andrabi KI*, Mudassar S (2014) Impact of molecular alterations of BRAF in the pathogenesis of thyroid cancer *Mutagenesis* 29(2) 131- 137 IF: 2.8

Ayub SG, Rasool S, Ayub T, Khan SN, Wani KA, *Andrabi KI* (2014) Mutational spectrum of BRCA2 gene in breast carcinoma in Kashmiri population. *Mol Med Reports* 9(2):749-53 IF: 1.2

Bashir M, Parray AA, Baba RA, Bhat HF, Bhat SS, Mushtaq U, *Andrabi KI*, Khanday FA (2014) β -Amyloid-evoked Apoptotic Cell Death is Mediated Through MKK6-p66shc Pathway. *Neuromolecular Med* 16 (1) 137-49 IF: 2.9

Ahmad I, Rasool S, Dar R, Ayub SG, Rashid S, Jan T, Ahmad T *Andrabi KI* (2014) TGIF1 is a potential candidate gene for high myopia in Kashmiri Population. *Curr Eye Res* 39(3) 282-90 IF: 2.1

Beigh MA, Showkat M, Hussain MU, *Andrabi KI* (2013).Loss of hydrophobic motif and activation loop phosphorylation is a consequence and not mechanism of S6 kinase inhibition by Rapamycin. *J Biol Regul Homeost Agents* 27(2) 399-408 IF: 1.5

Rasool S, Ahmad I, Dar R, Ayub SG, Rashid S, Jan T, Ahmad T, Naikoo NA, *Andrabi KI* (2013) Contribution of TGF α 1 codon 10 polymorphism to high myopia in an ethnic Kashmiri population from India. *Biochem Genet.* 51(3-4)323-333 IF: 2.0

Ahmad WA, *Andrabi KI*, Hussain MU (2012) Adenosine Triphosphate sensitive K(+)channel (Kir6.1):A novel phosphospecific interaction partner of connexin 43 (Cx43).*Experimental cell research* 318(20):2559-66 IF: 3.3

Qureshi MA, Jan N, Hussain MU, Dar NA, *Andrabi KI* (2012) A novel p16^{INK4A} mutation associated with esophageal squamous cell carcinoma in a high risk population. *Biomarkers* 17: 552-556 IF: 2.0

Beigh MA, Showkat M, ul Hussain M, Latoo SA, Majeed ST and *Andrabi KI* (2012). Rapamycin inhibition of baculovirus recombinant (BVr) ribosomal protein S6 kinase (S6K1) is mediated by an event other than phosphorylation. *Cell Commun and Signaling*, 10:4 IF: 5.3

Ayub SG, Ayub T, Khan SN, Rasool S, Hussain MU, Wani KA, Kuchay S, Lone MM, *Andrabi KI* (2011) Epidemiological distribution and incidence of different cancers in Kashmir valley-2002-2006. *Asian Pacific J cancer Prev.* 12: 1867-72. IF: 2.5

Bashir SA, Pandith AA, Yousuf A, Parveen N, Siddiqui MA, Mudassar S, *Andrabi KI*, Malik ZA (2010) Study of P16 gene mutation in Gastric cancer in Kashmiri Population. *Asian Pacific J cancer prev.* 11:1-6 IF: 1.5

Bashir M, Kirmani D, Bhat HF, Baba RA, Hamza R, Naqash S, Wani NA, *Andrabi KI*, Zargar M A, Khanday FA (2010) P66shc and its downstream Eps8 and Rac1 proteins are up regulated in esophageal cancers. *Cell Comm Signaling* IF: 5.3

- P Kaiser, Hussain M, Jan N, Verma V, Qazi GN, *Andrabi KI* (2009) Functional cloning and predictive structural modeling of a novel lipolytic enzyme from Bacillus strain. *J Gen Appl Microbiol* 55:317-321 IF: 1.1
- Hameed M, Ahmad B, Khan RH, *Andrabi KI*, Fazili KM (2009). Tertiary butanol induced amyloidogenesis of Hen Egg White Lysozyme (HEWL) is facilitated by aggregation prone alkali induced molten globule like conformational state. *Prot peptide lett* 16 : 56-60 IF: 1.1
- Hameed M, Ahmed B, Fazili KM, *Andrabi K*, Khan RH (2007) Different molten globule like intermediates of hen egg white lysozyme induced by high pH and tertiary butanol. *J Biochem.* 141: 573-83 IF: 2.3
- P Kaiser, Raina C, Prashad R, Johri S, Verma V, *Andrabi K*, Qazi GN (2006) A novel esterase from Bacillus subtilis (RRL 1789): Purification and characterization of the enzyme. *Prot Exp Pur.* 45: 262-268 IF: 1.3
- Golovleva I, Bhattacharya S, Wu Z, Shaw N, Yang Y, *Andrabi K*, West KA, Burstedt MS, Forsman K , Holmgren G, Sandgren O, Noy N, Qin J, Crabb JW (2003) Disease-causing mutations in the Cellular retinaldehyde binding protein tighten and abolish ligand Interactions *J Biol Chem* 278:12397- 12402. IF: 4.0
- Crabb J. W., *Andrabi K.*, Shaw N., Wu Z., Bhattacharya S., West K., Burstedt M., Sandgren O., Noy N., and Golovleva I. (2001) *Invest. Ophthalmol. Vis. Sci.* 42, 3524 IF: 3.3
- Yonezawa K, Kozlowski MT, Sugimoto T, *Andrabi K*, Weng QP, Kasuga M, Nishimoto I, Avruch J (1997) Regulation of eIF-4E BP1 Phosphorylation by mTOR. *J Biol Chem* 17: 26457-63 IF: 4.0
- Weng QP, *Andrabi K*, Klippel A, Kozlowski MT, Williams LT, Avruch J (1995) Phosphatidylinositol 3-kinase signals activation of p70 S6 Kinase in situ through site specific p70 Phosphorylation. *Proc Natl Acad Sci (USA)* 92: 5744-48 IF: 9.5
- Weng QP, *Andrabi K*, Kozlowski MT, Grove JR, Avruch J (1995) Multiple independent inputs are required for activation of p70 S6 kinase. *Mol Cell Biol* 15:2333-40 IF: 3.8
- Avruch J, Weng PQ, Kozlowski MT, *Andrabi K*, Price DJ (1994) Regulation of p70-S6Kinase. *FASEB J.* 8(7) A1222-A1222 IF: 4.9
- Alliosio N, Dalla Venezia N, Rana A, *Andrabi K*, Texier P, Gilsanz F, Carton JP, Delaunay J, Chishti AH (1993) Evidence that red blood cell protein p55 may participate in the skeleton membrane linkage that involves protein 4.1 and glycophorin C. *Blood* 82: 1323-27 IF: 15.1
- Kaul N, *Andrabi K*, Ganguly NK, Wahi PL (1993) Effect of nifedipine administration on the fuctional capacity of neutrophils. *Mol cell Biochem* 120: 81-85 IF: 2.5
- Chishti AH, *Andrabi KI*, Rana A, Keeler M, Maalouf G, Burns G (1992) Human Erythroid P55: Homolog of Drosophila Tumor Suppressor Factor is Highly Conserved X-Linked Gene Product with Guanylate Kinase Activity. *Blood* 80: 586-586 IF: 15.1

Chopra K, Singh M, Kaul N, <i>Andrabi K</i> , Ganguly NK (1992) Decrease of myocardial infarction size by desferrioxamine: possible role of oxygen free radicals in its ameliorative effect. <i>Mol Cell Biochem</i> . 113: 71-76	IF: 2.5
Mudasar S, <i>Andrabi K</i> , khullar M, Ganguly NK, Walia BNS (1992). Effect of oxygenous copper on lipid peroxidation in rat hepatocytes. Possible involvement of protein kinase C. <i>J pharm Pharmacol</i> 44: 609- 11	IF: 2.3
Chishti AH, <i>Andrabi K</i> , derrick LH, Palek J, Liu SC (1992) Isolation of skeleton associated knobs from human red blood cells infected with malaria parasite Plasmodium falciparum. <i>Mol Biochem Parasitol</i> . 52: 283-87	IF: 1.6
<i>Andrabi K</i> , Kaul N, Mudasar S, Dilawari JB, Ganguly NK (1992) Intracellular camp determines the extent of degradation and not the synthesis of collagen by rat hepatocytes. <i>Mol Cell Biochem</i> 109:89-94	IF: 2.5
Nalini K, <i>Andrabi K</i> , Ganguly NK, Wahi PL (1992) Nifedipine affects neutrophil functions by a non calcium mediated mechanism. <i>Eur Heart J</i> Suppl D:105-107	IF: 23.2
Husain-Chishti A, <i>Andrabi K</i> , Palek J, Amato D, Liu SC (1991) Altered tyrosine phosphorylation of the red cell band 3 protein in malaria resistant Southeast Asian ovalocytosis (SAO) <i>Blood</i> 78: 80a	IF: 15.1
<i>Andrabi K</i> , Kaul N, Mudasar S, Dilawari JB, Ganguly NK (1991) Collagen stimulated superoxide production: evidence for coupled mobilization of calcium. <i>Biochem Med Metab Biol</i> 45: 135-43	IF: 1.3
Nalini K, <i>Andrabi K</i> , Ganguly NK, Wahi PL (1990) Nifedipine administration reduces natural resistance of mice to Salmonella typhimurium. <i>Mol Cell Biochem</i> . 95:133-37	IF: 2.5
Nalini K, <i>Andrabi K</i> , Ganguly NK, Wahi PL (1990) Nifedipine impairs neutrophil respiratory burst by a mechnism other than calcium channel blockbade. <i>Mol Cell Biochem</i> 93: 27-34	IF: 2.5
<i>Andrabi K</i> , Kaul N, Ganguly NK, Dilawari JB (1989) Altered calcium homeostasis in carbon tetrachloride exposed rat hepatocytes. <i>Biochem Intl</i> 18: 1287-95.	IF: 1.8
Dilawari JB, <i>Andrabi K</i> , Kaur U, Nalini K, Ganguly NK (1988) Verapamil reduced hepatotoxicity and collagen synthesis by CCl4 exposed rat hepatocytes. <i>Hepatology</i> 8 (5) A-1376-1376	IF: 20.6
<i>Andrabi K</i> , Dilawari JB, Ganguly NK, Kaur U, Nalini K (1988) Carbon tetrachloride induced hepatic damage is calcium mediated. <i>Hepatology</i> 8 (5) A-1398-1398	IF: 20.6

Funding Generated from external Funding Agencies

Program Projects:

1. Funds for infrastructure development in Science and Technology (FIST Program) (2012-2016)

- | | |
|---------|---|
| Agency: | Ministry of Science and Technology,
Biotech Division |
| Status: | Completed |
| Amount: | INR 127 LAKHS |
- 2. Special Assistance Program (SAP) (2013-2017)**
- | | |
|---------|------------------------------|
| Agency: | University Grants Commission |
| Status: | Completed |
| Amount: | INR 54 LAKHS |
- 3. Center with Potential for Excellence in a Particular Area (CPEPA) (2016-2021)**
- | | |
|---------|------------------------------|
| Agency: | University Grants Commission |
| Status: | Completed |
| Amount: | INR 500 LAKHS |

Research Projects:

1. *PHLPP/S6K1 dynamics – a potential mechanism of Insulin resistance*

Agency:	Ministry of Science and Technology, Biotech Division
Amount:	INR. 90.0 Lakhs
Status:	Sanctioned (2021-2023)

2. *AMPK as a potential oncogene to sustain cell growth under stress: Implications in cancer genesis*

Agency:	Ministry of HRD, Govt. of India (RUSA)
Amount:	INR. 400.0 Lakhs
Status:	Operational (2020-2022)

3. *mTORC1 substrate stoichiometry is a dynamic switch with potential to regulate cell growth and proliferation.*

Agency:	Ministry of Science and Technology, SERB
Amount:	INR. 73.0 Lakhs
Status:	Completed (2018-2020)

4. *Rapamycin-mTOR-S6K phosphorylation paradox: Evaluation of evidence challenging the dogma.*

Agency:	Ministry of Science and Technology, Biotech Division
Amount:	INR. 63.0 Lakhs
Status:	Completed (2017-2019)

5. *Effect of stress on cellular localization and expression profiling of stress response proteins in human esophageal squamous cell carcinoma*

Agency:	Ministry of Science and Technology, Biotech Division
Amount:	INR. 29.5 Lakhs
Status:	Completed (2016-2018)

6. *Molecular studies of cold resistance in Brassica oleraceae*

Agency:	Department of Science and Technology, JKS&T
Amount:	INR. 11.57 LAKHS
Status:	Completed (2012-2014)

7. *Functional evaluation of a novel p16ink4a mutation associated with esophageal squamous cell carcinoma (ESCC)*
Agency: Ministry of Science and Technology, Biotech Division
Amount: INR. 22.5 LAKHS
Status: Completed (2011-2013)
8. *SNP analysis of candidate genes associated with high myopia in ethnic Kashmiri Pedigrees.*
Agency: Ministry of Science and Technology, Biotech Division
Amount: INR. 19.5 LAKHS
Status: Completed (2009-2012)
9. *Proteome Profile of heat shock proteins in human esophageal cancer.*
Agency: Indian council of Medical Research
Amount: INR 23.19 LAKHS
Status: Completed (2007-2009)
10. *Exploring the potential of consumable herbs of Kashmir region as a source of signal transduction modulators (STMs) to serve as modern drug lead*
Agency: Indian council of Medical Research
Amount: INR.48.0 Lakhs
Status: Completed (2005-2007)

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