

RESEARCH ACTIVITIES AND PUBLICATIONS

It has always been an endeavour of the department to develop clinical research facilities in SMHS & Associated hospital which could later be translated into diagnostics for serving the downtrodden and needy patients of the valley. Basic and collaborative research with clinicians on various disease processes is being done. The department is the designated Research Centre of University of Kashmir since 2010.

In a well-planned manner this department has persistently aimed to improve research activities of this institution. Untiring efforts have led to substantial research project funding (listed below) from key agencies to do biomedical research which is a costly affair.

RESEARCH PROJECTS (Extramural /Intramural)

Name of PI/Co-PI	Project title	Funding agency	Ongoing /Completed
Prof. Sabhiya Majid/PI	Project on awareness generation and screening for cervical cancer in women above thirty years of age in district Srinagar, Jammu and Kashmir, India.	DBT-GOI	Completed
Prof. Sabhiya Majid/PI	Epigenetic and Genetic association of adiponectin Gene with type 2 Diabetes mellitus and metabolic syndrome in Kashmiri population	DST-GOI	Completed
Prof. Sabhiya Majid/Co-PI	Association of Vitamin D receptor gene polymorphisms and serum 25-Hydroxy Vitamin D levels in patients with Vitiligo	Loreal Grant	Completed
Prof. Sabhiya Majid/PI	A Study on epigenetic alterations in Mismatch Repair Gene (hMLH1) in Esophageal Cancer Patients of Kashmir Valley	ICMR-DHR	Completed
Prof. Sabhiya Majid/PI	Association of VDR gene polymorphism & Vitamin D levels in T2DM & MET syndrome	ICMR-DHR	Completed
Dr. Roohi Ashraf/PI	Association of serum Leptin levels & insulin resistance in pre-diabetics.	ICMR-DHR	Completed
Dr. Roohi Ashraf/PI	Metabolic Syndrome in adult Kashmiri population of J&K.	ICMR-DHR	Completed
Dr. Rafiqa Eachkoti /PI	Prognostic and therapeutic relevance of her-2 and cyclin D1- cdk4/6 testing in breast carcinomas from Kashmir valley.	ICMR-DHR	Completed
Prof. Sabhiya Majid/PI	Diagnostic & Prognostic Utility of microRNAs profiling in breast cancer patients	ICMR-DHR	Ongoing
Prof. Sabhiya Majid/PI	A study on status of childhood lead toxicity in Srinagar district of Jammu & Kashmir India	ICMR-DHR	Ongoing
Prof. Sabhiya Majid/PI	Seven year study on prevalence of Porphyrrias in mountainous valley of Kashmir	ICMR-DHR	Ongoing
Prof. Sabhiya Majid/PI	A hospital based study on mechanisms underlying potential altered cytokine profile and balance of T helper type 17 cells and regulatory T cells in unexplained recurrent pregnancy loss amongst Kashmiri female population.	ICMR-DHR	Ongoing
Prof. Sabhiya Majid/Co-PI	Study on Autoimmune Blistering Diseases (ABD) in understanding etiopathogenesis of the disease	MRU-ICMR (multi centric)	Ongoing
Prof. Sabhiya Majid/Co-PI	Geoepidemiology of Lupus: Clinico-Serological update on Systemic Lupus Erythematosus (SLE) from India	MRU-ICMR (multi centric)	Ongoing

Prof. Sabhiya Majid/Co-PI	Mechanistic basis of potential role of Vitamin D in etiopathology of systemic lupus erythematosus (SLE) patients in Kashmiri population.	MRU-ICMR (multi centric)	Ongoing
Prof. Sabhiya Majid/PI	Population Screening and scenario of micro RNA expression as the early potential diagnostic tool for gastric cancer	DST-SSTP	Ongoing
Prof. Sabhiya Majid/PI	Omics based approach to identify novel peripheral biomarkers for Bipolar disorder- A needed step towards personalized medicine for psychiatric patients	ICMR-DHR	Submitted
Prof. Sabhiya Majid/PI & Coordinator	Establishment of DBT-NIDAN Kendra in Govt. Medical College Srinagar. Screening of pregnant women and new-borns in District Srinagar, J&K (Single Institution Multi Component)	DBT-GOI	Submitted
Dr. Roohi Ashraf/PI	LEP/LEPR SNPs and its effect on adiposity	ICMR-DHR	Ongoing
Dr. Roohi Ashraf/PI	CTLA 4 gene Polymorphism in T2DM & Hypothyroidism	ICMR-DHR	Ongoing
Dr. Roohi Ashraf/PI	Study on Iron Profile status in children and adolescents in the Srinagar district of Jammu & Kashmir, India	ICMR-DHR	Ongoing
Dr. Roohi Ashraf/PI	MODY 2 - An unusual identification and presentation of Diabetes	ICMR-DHR	Ongoing

RESEARCH PROJECTS IN THE FORM OF THESIS

The department runs a robust Ph D programme with 23 successful scholars (tabulated below) and supports MD thesis work of many post graduate of this college besides supporting many short term internship programmes of many MSc students from different educational institutes and universities.

Ph.D. / M.Phil Thesis work

Name of Scholar/Degree	Year of Joining	Title of Research Work	Completed/ Undergoing	Supervisor with Designation
Mr. Gulzar A Wani/Ph.D.	2020	To study the Association of PI3K and IRS genes of P13K/AKT pathway with risk of type 2 Diabetes mellitus: A Prospective study from Kashmir valley.	Undergoing	Prof. Sabhiya Majid (Prof & Head)
Mr. Suhail Shafi Lone/Ph.D.	2020	Role of PTEN & PDK1 genes in the etiopathogenesis of type 2 Diabetes Mellitus patients of Kashmir valley	Undergoing	Dr. Roohi Ashraf (Assoc. Professor)
Ms. Sunia Faiz/Ph.D.	2020	Elucidation of AKT and GLUT4 genes in the etiopathogenesis of Type 2 Diabetes Mellitus: A prospective study in Kashmiri Population	Undergoing	Prof. Sabhiya Majid (Prof & Head)
Iqra Farooq/Ph.D.	2020	Unraveling immune response in SARSCoV-2 infected patients from Kashmir, North India: an observational cohort study	Undergoing	Dr Rafiqa Eachkoti Assistant professor
Sana Farooq/Ph.D.	2018	Expression analysis of molecular markers, HER-2, Cyclin D1, CDK 4	Undergoing	Dr Rafiqa Eachkoti Assistant professor

		and PD-1/PD-L1 in Breast Carcinomas: 2018		
Mr Javid Ahmed Bhat	2018	Role of pancreatic hormones, inflammatory markers and HMGA1 gene polymorphism in Type 2 Diabetes Mellitus patients.	Undergoing	Prof. Sabhiya Majid (Prof & Head)
Ms. Jasiya Qadir/Ph.D	2017	Evaluating the possible role of ARID1A gene in etiology of gastric and colorectal cancer	Submitted	Prof. Sabhiya Majid (Prof & Head)
Dr. Haamid Bashir/Ph.D	2017	Study of low grade inflammation and gene expression of pro and anti-inflammatory genes in type 2 diabetes mellitus	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Inshah Din/Ph.D	2016	Elucidating the role of UCP2 gene in etiology of type 2 diabetes mellitus in Kashmiri population	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Rabia Farooq/Ph.D	2014	Molecular basis of role of adipokines in etiology of Type 2 diabetes mellitus	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Nissar A Naikoo/Ph.D	2014	Epigenetic changes and their impact on expression of DAP kinase gene in Gastric cancer.	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr. Rawoof Malik/Ph.D	2014	A study on role of Vit D levels in T2DM and correlation if any with Vit D receptor (VDR) gene polymorphism	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Arif Akbar Bhat/Ph.D	2012	Establishing molecular marker for Gastric cancer by studying the promoter hypermethylation of MGMT and RASSF1A genes	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Hilal Ahmad Wani/Ph.D	2012	Impact of COMT gene polymorphism on methylation status of p16 and MGMT gene in colorectal cancer patients of Kashmir Valley	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr Rouf Thakur/M.Phil	2012	Polymorphism of XRCC1 Gene and its association with skin cancer in Kashmiri population	Completed	Prof. Sabhiya Majid (Prof & Head)
Ms. Jasiya Qadir/M.Phil	2012	Evaluating the role of fok 1 vitamin D receptor gene polymorphism in skin cancer	Completed	Prof. Sabhiya Majid (Prof & Head)
Ms. Inshah Din/M.Phil	2012	Role of vitamin D and adipocytokines in etiology of diabetes	Completed	Prof. Sabhiya Majid (Prof & Head)
Ms. Rabia Farooq/M.Phil	2011	Elucidation of Etiology of Gastric Cancer: A Study on epigenetic Silencing of TCF4 Gene	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr. Haamid Bashir/M.Phil	2011	To study XRCC3 gene polymorphism in gastric cancer risk in kashmiri population	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr. Arif Akbar Bhat/M.Phil	2010	A Study on Methylation Changes in Mismatch Repair Gene (hMLH1) in Esophageal Cancer Patients of Kashmir Valley	Completed	Prof. Sabhiya Majid (Prof & Head)

Mr. Hilal Ahmad Wani/M.Phil	2010	Elucidation of Etiology of colorectal Cancer: A Study on Silencing of p16 Gene by promoter hypermethylation	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr. Hyder Khan/M.Phil	2010	Elucidation of Etiology of Colorectal Cancer: A Study on Silencing of MGMT Gene by Promoter Hypermethylation	Completed	Prof. Sabhiya Majid (Prof & Head)
Mr Arshad Ahmad/M.Phil	2010	RAS Association Domain Isoform A Gene (RASSF1A) Hypermethylation in Ovarian Cancer Patients of Kashmir Valley	Completed	Prof. Sabhiya Majid (Prof & Head)

MD thesis work

Name of MD Student	Title of research work	Completed/undergoing	Co-Supervisor with Designation
Dr. Ambreen Beigh	Histopathological study of lesions of nose and paranasal sinuses and association of human papilloma virus (HPV) with sinonasalpapillomas and carcinomas	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Safia	Feasibility of establishing deletion of the late cornified envelope gene LCE3b and LCE3c as a molecular marker for psoriasis".	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Tahir Hussain	BRAF Gene mutation in Thyroid cancers".	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Shahid	EBV detection in non-endocrine head and neck malignancies	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Shakeel Ahmad	Evaluation of TP53 mutation and SNPs of BAX/BCL-2 with risk of Head and Neck Squamous Cell Carcinoma in Kashmiri Population	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr. Hannan	HPV infection in Head and Neck carcinoma	Completed	Prof. Sabhiya Majid (Prof & Head)
Dr Uzair	Clinical, dermoscopic and histopathological correlation of skin cancers with <i>braf</i> mutations in kashmiri population	Undergoing	Dr Rafiqa eachkoti

RESEARCH CONTRIBUTIONS IN SHAPE OF PUBLICATIONS AND BOOK/CHAPTERS

Faculty members publish their research experiences in national & international scientific journals of repute. Quality research papers were published in various journals of repute (past 7 years). Apart from that a good number of books and book chapters have come up from the department from the recent past

Publications in 2020-21

1. Wani, J.A.; Majid, S.; Khan, A.; Arafah, A.; Ahmad, A.; Jan, B.L.; Shah, N.N.; Kazi, M.; Rehman, M.U. (2021) Clinico-Pathological Importance of miR-146a in Lung Cancer. *Diagnostics* 2021, 11, 274. <https://doi.org/10.3390/diagnostics11020274>
2. Majid, S., Khan, M.S., Rashid, S. et al. (2021) COVID-19: Diagnostics, Therapeutic Advances, and Vaccine Development. *Current Clinical Microbiology Reports*. Springer. <https://doi.org/10.1007/s40588-021-00157-9>
3. Qadir J, Majid S, Khan MS, Rashid F, Wani MD, Din I, Bashir H. AT-rich Interaction Domain 1A Gene Variations: Genetic Associations and Susceptibility to Gastric Cancer Risk. *Pathol Oncol Res.* 2020 Oct;26(4):2237-2246. doi: 10.1007/s12253-020-00815-1. Epub 2020 May 6. PMID: 32377988. (*Corresponding Author Majid S*)
4. Gurjinder Singh, Md Mehedi Hossain, Aadil Qadir Bhat, Mir Owais Ayaz, Nasima Bano, Rafiq Eachkoti, Mohd Jamal Dar, Identification of a cross-talk between EGFR and Wnt/beta-catenin signaling pathways in HepG2 liver cancer cells, *Cellular Signalling*, Volume 79, 2021, 109885, (<http://www.sciencedirect.com/science/article/pii/S0898656820303624>)
5. Khan SMS, Qurieshi MA, Haq I, Majid S, Bhat AA, Nabi S, et al. (2020) Seroprevalence of SARS-CoV-2 specific IgG antibodies in District Srinagar, northern India – A cross-sectional study. *PLoS ONE* 15(11): e0239303. <https://doi.org/10.1371/journal.pone.0239303>.
6. Khan SMS, Qurieshi MA, Haq I, Majid S, Bhat AA, et al. Sars-CoV-2 seroprevalence in healthcare workers of dedicated-Covid hospitals and non-covid hospitals of District Srinagar, Kashmir. *MedRxiv*. 2020. <https://doi.org/10.1101/2020.10.23.20218164>.
7. Farooq R, Bhat M H, Majid S and Mir M. (2020). Association between T2DM and the lowering of testosterone levels among Kashmiri males. *Archives of endocrinology and metabolism*. 10.20945/2359-3997000000288. (*Corresponding Author Majid S*)
8. Sabhiya Majid, Mosin S Khan, Samia Rashid, Ayesha Niaz, Rabia Farooq, Showkat A Bhat, Hilal A Wani, Waseem Qureshi. COVID-19: Diagnostics, Therapeutic Advances and Vaccine Development. *Current Clinical Microbiology Reports* 2020; <https://doi.org/10.1007/s40588-021-00157-9>. (*Corresponding Author Majid S*)
9. Sabhiya Majid, Mosin S Khan, Rabia Farooq, Samia Rashid, Showkat A Bhat, Hilal A Wani, Waseem Qureshi. Managing the COVID-19 Pandemic: Research Strategies Based on the Evolutionary and Molecular Characteristics of Coronaviruses. *SN Comprehensive Clinical Medicine* 2020; 2:1767–1776. (*Corresponding Author Majid S*)
10. Jasiya Qadir, Mosin S Khan, Sabhiya Majid, Fouzia Rashid, Mumtaz Din Wani, Inshah Din, Haamid Bashir. AT-rich Interaction Domain 1A Gene Variations: Genetic Associations and Susceptibility to Gastric Cancer Risk. *Pathology and Oncology Research* 2020; DOI: <https://doi.org/10.1007/s12253-020-00815-1>. (*Corresponding Author Majid S*)
11. Sadaf Ali, Nivedita L Rao. Correlation of serum fluorescence of advanced glycation end products with diabetes duration and glycemic control in type two diabetes patients: Biomedical research and therapy year (2020).
12. Shiekh Amir, Sadaf Ali. Covid-19 and associated comorbidities: knowledge yet in progress: international journal of scientific research, vol (9), 2020.

13. Obaid M, Ashraf M, Majid S. Evaluation of cardiovascular risk factors in patients of subclinical hypothyroidism. *EJPMR* 2020 June; 7(6): 601-603.
14. Obaid M, Ashraf M, Majid S. Association of metabolic syndrome with thyroid status. A descriptive analysis. *WJPMS* 2020 Oct 9(10): 2103-2111.
15. Sameer AS, Khan MA, Nissar S, Bandy MZ. Assessment of Mental Health and Various Coping Strategies among general population living Under Imposed COVID-Lockdown Across world: A Cross-Sectional Study. *Ethics Med Public Health*. 2020 Oct-Dec; 15:100571.
16. Bandy MZ, Sameer AS, Nissar S. Pathophysiology of diabetes: An overview. *Avicenna J Med* 2020; 10:174-88.
17. Sameer Ahmed Bhat, Zarka Sarwar, Qaafah Gillani, Misbah Un Nisa, Irfana Reshi, Nusrat Nabi, Shaozhen Xie, Khalid M Fazili, Thomas M Roberts, and Shaida Andrabi. Polyomavirus Small T Antigen Induces Apoptosis in Mammalian Cells through the UNC5B Pathway in a PP2A-Dependent Manner. *J Virol*. 2020; 94(14):e02187-19. Published 2020 Jul 1. doi:10.1128/JVI.02187-19
18. Irfana Reshi, Misbah Un Nisa, Umer Farooq, Syed Qaafah Gillani, Sameer Ahmed Bhat, Zarka Sarwar, Nusrat Nabi, Khalid Majid Fazili, Shaida Andrabi. AKT Regulates Mitotic Progression of Mammalian Cells by Phosphorylating MASTL, Leading to Protein Phosphatase 2A Inactivation. *Mol Cell Biol*. 2020; 40(10):e00366-18. Published 2020 Apr 28. doi:10.1128/MCB.00366-18.
19. Adil Farooq Wali, Yusra Al Dhaheri, Jayachithra Ramakrishna Pillai, Ahlam Mushtaq, Padma G. M. Rao, Syed Arman Rabbani, Aimen Firdous, Mohamed Soliman Elshikh and Dunia A. Al Farraj. LC-MS Phytochemical Screening, In Vitro Antioxidant, Antimicrobial and Anticancer Activity of Microalgae *Nannochloropsis oculata* Extract. *Separations*. 2020; 7,54

Publications in 2018-19

1. Rafiq Eachkoti, Sanah Farooq, Ruby Reshi, Muneeb U. Rehman, Tabassum Rashid, Nisar Ahmed Naikoo, Shajrur Amin, Akbar Masood. Mutation allele-specific multiplex PCR for the detection of BRAFV600E mutations in breast carcinomas. doi: 10.3892/wasj.2019.14
2. Suhail Ahmad, Roohi Ashraf, Sabhiya Majid, Javaid Ahmad Bhat, Aatif Hassan Sanaie, Akbar Masood and Nissar Ahmad Naikoo. Serum lipid profile of Gastric Cancer patients in Mountainous Valley of Kashmir. *International journal of contemporary Medical Research* 6,E1 2019. (*Corresponding Author; Nissar A Naikoo*)
3. Mosin S Khan, Roohi Ashraf, Aaliya Shah, Syed Mudassar (2019). TP53 as a Tumor Suppressor Gene. *Indian journal of hospital infection; Volume1: Number 2*.
4. Eachkoti R, Farooq S, Syeed SI, Wani HA, Majid S, Pampori MR. Prevalence and prognostic relevance of BRAFV600E mutation in colorectal carcinomas from Kashmir (North India) valley. *Mutagenesis* 2018; 33(3): 225-230.
5. Sabhiya Majid, Rabia Farooq, Showkat A Bhat. Adipocytokines: Unravelling the missing link in Diabetes and metabolic syndrome. *MOJ Biology and Medicine*. 2018; 3(03): 271-272.
6. Hilal A Wani, Sabhiya Majid, Arif A Bhat, Shajrl Amin, Rabia Farooq, Showkat A Bhat, Nisar A Naikoo, Mushtaq A Beigh and Showkat A Kadla. Impact of Catechol-O-Methyltransferase gene variants on methylation status of P16 and MGMT genes and their downregulation in Colorectal cancer. *European Journal of Cancer Prevention* 2018; DOI:10.1097/CEJ.0000000000000485.
7. Jasiya Qadir, Sabhiya Majid, Fouzia Rashid, Iffat Hassan, Peerzada Sajad, Yasmeen Jabeen Bhat, Inshah Din, Arif Akbar Bhat, Hilal Ahmad Wani, Rabia Farooq. Vitamin D receptor gene polymorphism and risk of skin cancer patients of Kashmiri population (India): A case-control study. *Our Dermatology Online/Nasza Dermatologia Online* 2018; 6(5): 646-648.
8. Inshah Din, Sabhiya Majid, Fouzia Rashid, Ishrat Hussain, Rakesh K Koul, Jasiya Qadir, Rabia Farooq. Synergistic role of Vitamin D and adipocytokines in etiology of diabetes in Kashmiri population. *Asian J. Pharm. Clin. Res*. 2018; 11: 477-481.
9. Rabia Farooq, Sabhiya Majid, Showkat Ahmad Bhat, Shajrur Amin, Mohammad Hayat Bhat.

- Association of adiponectin gene polymorphism with type 2 diabetes and metabolic syndrome. *Translational Metabolic Syndrome Research* 2018; 1: 39-47
10. Roohi Ashraf, Tehseen Hassan, Samia Rashid (2018). To study the prevalence of metabolic syndrome in the adult population of Kashmir. *International journal of scientific research*, 2018; 7(6):60-63 (Corresponding author: Roohi Ashraf).
 11. Roohi Ashraf, Nissar A. Naikoo, Hamid Bashir, Iqra Farooq, Rakesh Kumar Koul, Sabhiya Majid, Shabhat Rasool. (2018). Electrolyte imbalance in the patients admitted to the emergency department of the tertiary care SMHS hospital, Srinagar. *International Journal of Current Research* 2018; 10(04):67854-67857.(Corresponding author: Roohi Ashraf).
 12. Nissar Ahmad Naikoo, Showkat Ahmad Bhat, Sabhiya Majid, Hilal Ahmad Wani, Roohi Ashraf, Rafiq Eachkoti, Tehseen Hassan and Akbar Masood. Scenario of epigenetic alterations and gastric cancer-a review. *International Journal of Recent Scientific Research* 2018; 9(5): 26679-26687.
 13. Showkat Ahmad Bhat, Manzoor Ur Rahman Mir , Sabhiya Majid, Tehseen Hassan, Muneeb U. Rehman, Sonallah Kuchy.. Diagnostic utility of glycosyltransferase mRNA expression in gastric cancer. *Hematol Oncol Stem Cell Ther* 2018; 11 (3):158-168.
 14. Showkat Ahmad Bhat, Sabhiya Majid, Muneeb U Rehman. Diagnostic Utility of miRNAs in Cancer. *Multidisciplinary Cancer Investigation* 2018; 2(3):5-15.
 15. Saleema Jabeen, Showkat Ahmad Bhat, Sabhiya Majid, Akbar Masood. Assessment of serum electrolyte and lipid profile in hypothyroidism patients in Kashmir valley india. *International Journal of Current Advanced Research* 2018; 7(7): 2319-2328.
 16. Saleema Jabeen, Showkat Ahmad Bhat, Sabhiya Majid, Nissar Ahmad Naikoo, Rabia Farooq, Sheikh Ishaq, Shajrul Amin. Scenario of hypothyroidism and its recent advances in the diagnosis and management – a review. *International Journal of Recent Scientific Research* 2018; 9(3): 25289-25299.
 17. Shiekh Gazalla Ayub, Rubiya Dar, Shabhat Rasool, Andrabi KI. Polymorphic Analysis of Connexin 43 in early as well as Advanced Stages of Breast Cancer in Kashmiri population. *Journal of Advances in Biology and Biotechnology* 2018; In Press.
 18. Mosin S. Khan, Abid Shoukat, Zaffar Kawoosa, Altaf H. Shah, Syed Mudassar, Showkat A. Zargar. Impact of *IL28B* Sequence Variations and Viral Genotype on Response to Antiviral Therapy and Treatment Outcome in Hepatitis C Infected patients. *Journal of Diseases in Developing Countries* 2018; In Press.
 19. Niyaz A Azad, Zafar A Shah, Arshad A Pandith, Mosin S Khan, Roohi Rasool, Javed Rasool, Shiekh A Aziz. Prognostic Implication of BCR-ABL Fusion Transcript Variants in Chronic Myeloid Leukemia (CML) Treated with Imatinib. A First of Its Kind Study on CML Patients of Kashmir. *Asian Pac J Cancer Prev.* 2018; 19 (6): 1479-1485.
 20. Naseer Ue Din Shah, Md Niamat Ali, Syed Mudassar, Bashir A Ganai, Malik Tariq Rasool, Mosin Saleem Khan, Jasbir Kour. KRAS Gene Mutations in Relation to Development and Progression of Non-small Cell Lung Carcinoma in Indian Kashmiri Population. *Journal of International Translational Medicine.* 2018; 06(03): 113-119.
 21. Madiha Niyaz, Mosin S Khan, Mahboob Ul Hussain, Rauf A Wani, Omar J Shah and Syed Mudassar. Expression Undercurrents of Sonic Hedgehog in Colorectal and Pancreatic Cancers. *Gene Reports* 2018; d.o.i 10.1016/j.genrep.2018.07.017.
 22. Mosin S. Khan, Abid Shoukat, Zaffar Kawoosa, Altaf H. Shah, Syed Mudassar, Rayees A Dar, Showkat A. Zargar. The Role of Biochemical Variations and Genotype Testing in Determining the Virological Response of Patients Infected with Hepatitis C Virus. *Global Journal of Infectious Disease.* 2018; 10(2): 89-98.
 23. Obaid M, Agrawal BK. Type 2 Diabetes with and without hypertension in a North Indian population: A descriptive study. *IJCAR* 2019 Jan; 8(1): 16727-16731.
 24. Obaid M, Ashraf M, Sabhiya M, Ahmad R. Prevalence of metabolic syndrome and its components in patients of hypothyroidism in a North Indian tertiary care hospital. *GJRA* 2019 May; 8(5): 1-3.

25. Tabassum Rashid, Sheikh Ishaq, Mohd. Urfan Wani, Sabhiya Majid. Serum leptin levels in kashmiri type 2 diabetic patients with diabetic Nephropathy. *International Journal of Recent Scientific Research* 9(4) :25988-2599. April 2018 .
26. Rafiq Eachkotti, Sanah Farooq, Ruby Reshi, Muneeb U. Rehman, Tabassum Rashid, Nisar Ahmed Naiko, Shajurul Amin, Akbar Masood. Mutation allele specific PCR for the detection of BRAFV600E mutations in breast carcinomas. *World Academy of Sciences Journal*. 1(3) 145-150 May 2019.
27. Banday MZ, Sameer AS. Strong association of tissue inhibitor of metalloproteinase (TIMP) -2 and -3 promoter SNPs with risk of CRC in Kashmiri population. *Bioscience Reports* May 10, 2019, 39 (5).
28. Irfana Reshi, Zarka Sarwar, Sameer Ahmed Bhat, Syed Qaaifah Gillani, Misbah Shah, Khalid Majid Fazili, Shaida Andrabi. Polyoma small T upregulates the expression of cytoskeletal proteins in mammalian cells during mitosis. *International Journal of Biological Macromolecules* 107 (2018) 2279–2284.
29. Sheikh Ubaid, Talib Khan, Shaqul Qamar Wani, Zarka Sarwar. Spinal Anesthesia for Infra-umbilical Surgeries - A Prospective Randomized Study to evaluate the effectiveness of Dexmedetomidine as an adjuvant to Bupivacaine. *Journal of Medical Sciences* 2018; 21(2):95-100.
30. Adil F. Wali, Ahlam Mushtaq, Muneeb U. Rehman, Seema Akbar, Mubashir Hussain Masoodi. Amelioration of Rifampicin and Isoniazid Induced Liver Oxidative Damage and Inflammation Response by Propolis Extracts in Rodent Model. *Journal of biologically active products from Nature*. 2019; 9:1,57-66
31. IA Shah, GA Bhat, R Rafiq et al. Strenuous occupational physical activity - potential association with esophageal squamous cell carcinoma risk. *Proceedings of singapore Healthcare*. 2019 July; 10.1177/2010105819860860.

Publications in 2016-17

1. Sabhiya Majid, Rabiya Farooq, Showkat Ahmad Bhat. Adipocytokines: Unravelling the Missing Link in Diabetes and Metabolic Syndrome. *MOJ Biology and Medicine* 2017; 2(3): 2574-85.
2. Nissar A Naikoo, Javaid Ahmed, Hamidullah Naik, Showkat A Bhat, Hilal A Wani, Jasiya Qadir, Roohi Ashraf, Akbar Masood and Sabhiya Majid (2017). Diagnostic utility of DAPK- Gene promoter hypermethylation in gastric cancer. *IJSIT* 2017; 6(5), 646-658.
3. Malik R, Farooq R, Mehta P, Ishaq S, Din I, Shah P, Majid S. Association of Vitamin D Receptor Gene Polymorphism in Adults With Type 2 Diabetes in the Kashmir Valley. *Can J Diab* 2017; 16: 30514-7.
4. Tehseen Hasan, Showkat A. Bhat, Sabhiya Majid et al. BRCA1 Promoter Hypermethylation as an early diagnostic tool for breast cancer. *Cancer Research Journal* 2017; 5:2,9-13.
5. Bhat SA, Hassan T, Majid S, Ashraf Roohi, Kuchy S. Environmental Pollution as Causative Agent for Cancer-A Review. *Cancer Clin Res Rep* 2017; 1: CCRR 103-110.
6. Sadaf Ali, Greeshma B Kotian, Nivedita L Rao. Nutrition and healthy lifestyle: Knowledge, attitude and practice in medical students of Yenepoya Medical College, Mangalore. *Int. Journal pharma sci rev and research* 45(2) (2017)
7. Nazia, Tehseen Hassan, Showkat Ahmad Bhat, Ishraq Hussain, Sabhiya Majid, Roohi Ashraf, Sheikh Bilal, Muneeb U Rehman. Role of Polymorphism in PLA2G7 Gene in Pathogenesis of Atherosclerosis in Patients of Kashmir Valley India. *Cardiology and Cardiovascular Research* 2017; 2790026.
8. Mushtaq A. Bhat, Showkat A. Bhat, Sheikh Bilal Ahmad, Sabhiya Majid et al. Biochemical Profile and genetic polymorphism of MTHFR C677T in risk of Type II Diabetes Mellitus. *International Journal of Diabetes and Endocrinology* 2017; 2;2,19-25.
9. S. Ishaq, I. Shabir, A. A. Bhat, I. Shafi, S. Mushtaq, A. Baba, P.A. Shah and S. Majid. Glycated Haemoglobin (HbA1C): A Marker of Circulating Lipids in patients with type 2 Diabetes. *Journal*

- of Diabetology 2017; In Press.
10. Saima Mushtaq, Sheikh Ishaq, Iram Shabir, Malik Rameez Rashid, Abhijeet Pratap, Arif A Bhat, Imran Shafi. Effect of thyroid hormones on Hyperglycaemia in patients with Type 2 diabetes mellitus. *Carib. J. Sci Tech* 2017; 5:018-024.
 11. Suhail A. Malik, Mosin S. Khan, Syed Mudassar, Parvaiz A. Koul. Clinical and Etiological Profile of Hypokalemia: A Prospective Study in a Tertiary Care Hospital. *Clinical Medicine and Diagnostics* 2017; 7(5): 107-112.
 12. Adnan F Raina, Mohd A Bhat, I Wani, Majid Kawaja, Mosin Saleem, Syed Mudassir, Sheikh M Saleem. 24-hour urinary constituents in stone formers: a study from Kashmir. *Int J Adv Med.* 2017; 4(5):1477-1482.
 13. Showkat A. Malik, Mosin S. Khan, Majeed A. Dar, Mahboob Ul Hussain, Mohammad A. Shah, Sheikh M. Shafi and Syed Mudassar. Molecular alterations and expression dynamics of LATS1 and LATS2 genes in Non-Small-Cell Lung Carcinoma. *Pathology and Oncology Research* 2017; DOI 10.1007/s12253-017-0225-3.
 14. Showkat A. Malik, Mosin S. Khan, Majeed A. Dar, Mahboob Ul Hussain, and Syed Mudassar. TAZ is an Independent Prognostic Factor in Non-Small Cell Lung Carcinoma: Elucidation at Protein Level. *Cancer Biomarkers* 2017; 18: 389-95.
 15. Akeela Fatima, Gulnaz Bashir, Tehmeena Wani, Abiroo Jan, Amrish Kohli, Mosin S. Khan. Molecular identification of Candida species isolated from cases of neonatal candidemia using polymerase chain reaction-restriction fragment length polymorphism in a tertiary care hospital. *Indian Journal of Pathology and Microbiology.* 2017; 60(1): 61-65.
 - 16.
 17. Tabassum Rashid, Sheikh Ishaq, Saima Mushtaq, Shabhat Rasool, Imran Shafi and Sabhiya Majid. Study of serum magnesium levels in type 2 diabetes mellitus. *Indo American journal of pharmaceutical research* 2016; ISSN NO 2231-6876.
 18. Tabassum Rashid, Aeijaz-UL-Noor and Andrabi KI. Evaluation of Crystallins as a candidate gene for cataract. *World Journal of Pharmaceutical Sciences* 2016; 4(2): 562-571.
 19. Nishtha Pandey, Tabassum Rashid, Rajeev Jalvi, Meenakshi sharma, Khurshid Iqbal Andrabi, Anuranjan Ananad. Mutations in OTOF, CLDN14 & slc26a4 Genes as a major cause of hearing impairment in Dhadkai Village, Jammu and Kashmir, INDIA. *Indian Journal of Medical Research* 146 (4):489-497. Feb 2017
 20. A. Bhat, H. A. Wani, S. Ishaq, A. A. Waza, R. A. Malik, I. Shabir, A. Masood, S. Jeelani, S. Kadla, S. Majid. Promoter hypermethylation and its impact on expression of MGMT gene in the GIT malignant patients of Kashmiri origin. *Cancer Investigation* 2016; 35, 2, 116-121.
 21. Iram Shabir, Sheikh Ishaq, Arif Akbar Bhat, Roohi Ashraf, Sabhiya Majid. Anti-mullerian hormone as a diagnostic marker in women with polycystic ovary syndrome. *Indian Journal of Obstetrics and Gynecology Research* 2016; 3(4):303-306.
 22. A. Bhat, H. A. Wani, A. A. Waza, R. A. Malik, A. Masood, S. Jeelani, S. Kadla, S. Majid. Diminished expression of MGMT & RASSF1A genes in gastric cancer in ethnic population of Kashmir. *Journal of Gastrointestinal oncology* 2016; 7(6):989-995.
 23. Mosin S Khan, Manzoor A Raina, Showkat A Malik, Ab. Hameed Raina, Mudassir J Makhdoomi, Javed I Bhat, Syed Mudassar. Assessment of Correlation between Sweat Chloride Levels and Clinical Features of Cystic Fibrosis patients. *Journal of Clinical and Diagnostic Research* 2016; 10(12): BC01-BC06.
 24. Arshad A Pandith, Arif Hussain, Mosin S Khan, Zaffar A Shah, Mohd S Wani, Mushtaq A Siddiqi. Oncogenic Activation of Fibroblast Growth Factor Receptor 3 and RAS Genes as Non Overlapping Mutual Exclusive Events in Urinary Bladder Cancer. *Asian Pac J Cancer Prev.* 2016; 17(6):2787-93.
 25. Adil F. Wali, Ahlam Mushtaq, Muneeb U Rehman, Seema Akbar, Mubashir Hussain Masoodi. Bee Propolis (Bee's Glue): A Phytochemistry Review. *Journal of Critical Reviews.* 2017;4,4.
 26. R Rafiq, IA Shah, GA Bhat et al. Second Hand Smoking and Esophageal Squamous Cell

Carcinoma Risk in a High Incidence Region, Kashmir, India. *Medicine*. 2016 Jan; 95(1):e2340.doi: 10.1097/MD.0000000000002340.

27. R Rafiq, GA Bhat, M M Lone, A Masood and NA Dar. Potential risk of esophageal squamous cell carcinoma due to nucleotide excision repair XPA and XPC gene variants and their interaction among themselves and with environmental factors. *Tumor Biology* 2016 Feb; 1007/s 13277-016-4895-3.
28. R Rafiq, NA Dar. Commentary: Second-hand Smoke (SHS), a Cocktail of Toxic Chemicals, Cannot be Ignored. *Cancer Cell & Microenvironment* 2016 3: e1253.

Publications in 2014-15

1. Eachkoti R, Reddy MV, Lieu YK, Cosenza SC, Reddy EP. Identification and characterisation of a novel heat shock protein 90 inhibitor ONO4140. *Eur J Cancer*. 2014 Jul;50(11):1982-92.doi:10.1016/j.ejca.2014.04.017. Epub 2014 May 15. PMID: 24835034 Free PMC Article
2. Rafiqa Eachkoti, hakim Ali qanoon Prevalence of dyslipidemic hypertension in subset of kashmiri (North India) population.. *European journal of biomedical and pharmaceutical sciences*. ejbps, 2015, Volume 2, Issue 3, 1311-1321.
3. Hakim Ali Qanoon, Rafiqa Eachkoti, Promila Phaughat. Treatment Regimen For Celphos Poisoning .. *World Journal of Pharmacy and Pharmaceutical Sciences* Vol 4, Issue 04, 2015.
4. R. Ashraf, S.A. Kadla, H.A. Wani, A.A. Bhat and S. Majid. Gastric cancer risk and XPD/ERCC2 SNPs (Lys751Gln, Asp312Asn) Gene Polymorphism- An Experimental study in Kashmir valley of India. *EAR*. 2015; 02(11): 14146-14159.
5. Sheikh G, Masood Q, Majid S and Hassan I.(2015) Comparison of levels of serum copper, zinc, albumin, globulin and alkaline phosphatase in psoriatic patients and controls . *Ind Dermatol Online J*. 2015-6;2;81-83
6. Tabassum Rashid, S. A Bhat, Mohd Urfan Wani, Sabhiya Majid, Iffat Hassan, Sabiya Rashid, Ahmad Arif Reshi, Manzoor R. Mir. The lipid peroxidation and antioxidant status of type 2 diabetic patients in Kashmir (India). *International Journal of Diabetes in Developing Countries* 2015; 35(4): 476-481.
7. Tabassum Rashid, Sheikh Ishaq, Saima Mushtaq, Shabhat Rasool, Imran Shafi, Sabhiya Majid. Study of serum magnesium levels in type 2 diabetes mellitus. *Indo American Journal of Pharmaceutical Research* 2015; 5 (10): 451-62.
8. Majeed I, Farooq R, Malik R, Rawath DS, Amin S, Hasan N and Majid S. (2015) Estimation of lipid peroxidation and lipid profile levels in type 2 diabetes mellitus patients of Kashmir valley. *Int J of Adv Life Sci*, 2015; 8(40):448-455. (Corresp. Author Majid. S)
9. Sheikh Ishaq, Rumana Farooq Mir, Saima Mushtaq, Harman Kaur, Shabhat Rasool. *European Journal of Biomedical and Pharmaceutical Sciences* 2015; 2 (7): 336-340.
10. Haamid Bashir, Rabia Hamid, Rabia Farooq, Hilal Ahmad wani, Arif Akbar, Sabhiya Majid. Polymorphism of XRCC3 Gene in gastric cancer patients of Kashmir: A case control study. *Europ Journ Cancer Prev* 2015; 24(3); 167-175.
11. Saima Mushtaq, Sheikh Ishaq, Tabassum Rashid, Shabhat Rasool, Arif Akbar Bhat, Sabhiya Majid. *Indo American journal of Pharmaceutical Research* 2015; 5(11): 3439-3443.
12. Bashir H, Majid S, Hamid R, Farooq R, Wani HA, Shoib S, Bhat A A. Polymorphism of the XRCC3 gene and risk of gastric cancer in a Kashmiri population: a case control Study. *Eur J Cancer Prev*. 2015; 24 (3):167-175.
13. Gousia Sheikh, Qazi Masood, Sabhiya Majid and Iffat Hassan. Comparison of levels of serum copper, zinc, albumin, globulin and alkaline phosphatase in psoriatic patient's and controls: A hospital based case control study. *Indian dermatology online journal* 2015; 6(2): 813-21.
14. Rafiqa Eachkoti and Hakim Ali Qanoon. Prevalence of dislipidemic hypertension in a subset of kashmiri (North india) population. *European Journal of Biomedical and Pharmaceutical Sciences* 2015; 2(3):1311-1321.

15. Showkat Ahmad Bhat, Manzoor R. Mir, Sabhiya Majid. Environmental Factors in Etiology of Gastric Cancer. *Advances in Biochemistry*. 2015; 3(5): 51-56.
16. Hamindullah Naik, Nissar A Naikoo, Aisha Asgar, Eajaz Ahmad Mir, Danishwar Shaffi and Zakir Hussain Tak. Use of Human Hair as Natural Fiber for Fly ash Bricks to minimize negative environmental impacts of this waste. *International journal of Advanced Research* 2015; 3(4), 1130-1133.
17. Hamindullah Naik, Nissar A Naikoo, Sahil Ayoub Dar, Mir Showket and Shiekh Abbas Muhammad. Use of Horse hair as fiber reinforcement in concrete. *International journal of Advanced Research* 2015; 3(6): 1569-1572.
18. Hakim Ali Qanoon, Rafiqa Eachkoti and Promila Phaughat. Treatment regimen for Celphos Poisoning. *World Journal of Pharmacy and Pharmaceutical Sciences* 2015; 4(4), 953-965.
19. Rubiya Dar, Shabhat Rasool, A. H Zargar, Tariq Jan, Khurshid I Andrabi. Association of MC4R codon 42 polymorphism with obese/diabetic ethnic Kashmiri population. *Asian J. Med. Biol. Res.* 2015; 1(2), 149-157.
20. Rubiya Dar, Shabhat Rasool, A. H Zargar, Tariq Rashid Jan, Khurshid I Andrabi. Polymorphic analysis of MC4R gene in ethnic Kashmiri population with type 2 diabetes. *International Journal of Diabetes in Developing Countries* 2015; doi 10.1007/s13410-015-0454-5: ISSN 0973-3930.
21. Aeijaz-ul-Noor, Shabhat Rasool, Sabia Rashid, Andrabi KI. Lack of association between fibromodulin rs7543418 gene and high myopia. *British Biomedical Bulletin* 2015; 5: 391-398.
22. Majid S, Teng S , Malik I , Farooq R, Rashid A ,Jabeen F , Kuchay S and A Rifat .(2014)Estimation of Human Papilloma virus DNA in Urine Specimens as a marker for Cervical Cancer at an early stages. *Int J Curr Microbiol App Sci* 3(7) 698-701. (Corresp. Author Majid . S)
23. Khan F, Bhat SA, Reshi AA, Mir MR, Hussain I, Sheikh B, Majid S, Sonauallah K et.al (2014).The polymorphic role of MDM2 gene in breast cancer patients of Kashmir valley *Int J Innov Res Studies* , 2014;3(7) 81-86.
24. Farooq R, Amin S, Bashir H, Hilal AW and Majid S (2014) TCF4 may act as a tumor suppressor gene in colorectal carcinogenesis. *World J of Pharm Res*; 2014; 3(8):431-443. (Corresp Author : Majid S)
25. Hassan T, Anees S, Bhat SA, Reshi AA, Ali A, Mir MR and Majid S (2014).Genetic polymorphisms in estrogen receptor alpha gene and risk of breast cancer in Kashmiri population in India. *Int J Inform Futur Res*, 2014; 1(5) 44-52.
26. Najeeb Q, Aziz R, Hamid S, Majid S, Ashraf R (2014) Electrolyte abnormalities in patients admitted in emergency department of tertiary care institute: A cross sectional study. *Int J Med Sci Pub Health*, 2014; 3(11):1368-71. DOI:10.5455/ijmsph.2014.150820143
27. Hassan T, Bhat SA, Reshi AA, Mir MR and Majid S (2014) Lipoprotein staus in patients with thyroid abnormalities in Kashmir ,located in northern India. *Int Res J Intell Sci Manag* , 2014;5 48-54.
28. Mosin S Khan, Manzoor Raina, Abdul H Raina, Mudassir Makhdoomi, Syed Mudassar. Sweat Analysis and Cystic Fibrosis: A Golden Handshake. *Journal of Medical Sciences* 2015; 19(2): 7-12.
29. Aaliya Shah, Farhana Ahad, Medha Priyadarshini, Mosin S Khan, Syed Mudassar. Mass spectrometry as an analytical method for determining protein structures. *J Bioengineer & Biomedical Sci.* 2015; 5(2): 1-3.
30. Mosin S. Khan, Arshad A Pandith, Shariq R Masoodi, Shoukat H Khan, Tanveer A Rather, Khurshid I Andrabi, Syed Mudassar. Significant association of TP53 Arg72Pro polymorphism in susceptibility to differentiated thyroid cancer. *Cancer Biomarkers* 2015; 15: 459-65.
31. Mohammad A. Thoker, Arshad A. Pandith, Shah Nawaz A. Sheikh, Aashaq Hussain, Mosin S. Khan, Faheem Shehjar, Zafar A. Shah, Mohammad Saleem Wani. Significant impact of +105 A>C promoter polymorphism in IL-18 cytokine in patients with kidney stone disease. *Int J Res Med Sci.* 2015; 3(5): 1219-1225.
32. Mosin S. Khan, Arshad A Pandith, Mohammad Iqbal, Niyaz A Naykoo, Shoukat H

- Khan, Tanveer A Rather, Syed Mudassar. Possible Impact of RET Polymorphism and its Haplotypic Association Modulates the Susceptibility to Thyroid Cancer. *J Cell Biochem.* 2015; 116: 1712-1718.
33. Waseem G Lone, Mudassir Makhdoomi, Mosin S Khan, Rashid Mir, Mubashir Nazir, Javeed A Tantray, Syed Mudassar. Role of Genetic and Exogenous Factors in Urinary Bladder Cancer (UBC). *International Journal of Genetics and Cancer* 2014; 1(1 & 2): 43-53.
 34. Mosin S Khan, Gowhar Rashid, Waseem G Lone, Manzoor A Raina, Rashid Mir, Mudassir Makhdoomi, Syed Mudassar. Role of Adenosine Deaminase Levels in the Disease Diagnosis. *International Journal of Genetics and Cancer* 2014; 1 (1 & 2): 31-42.
 35. Naseer A Shah, Rashid Mir, Mosin S Khan, Mudassir Makdoomi, Roonaq Nazir, Waseem G Lone, Manzoor Raina, Nimat Ali, Syed Mudassar. Impact of KRAS Gene Mutations in Non- Small- Cell Lung Cancer Patients. *International Journal of Genetics and Cancer* 2014; 1 (1 & 2): 13-25.
 36. Waseem Gul Lone, Mosin S Khan, Manzoor Raina, Mudassir Makhdoomi, Rashid Mir, Mubashir Nazir, Javeed A Tantray, Kaiser Jamil, Syed Mudassar. Etiology and treatment options of Triple Negative Breast Cancer (TNBC). *International Journal of Genetics and Cancer* 2014; 1 (1 & 2): 5-12.
 37. Mosin S Khan, Arshad A Pandith, Shariq R Masoodi, Khursheed A Wani, Mahboob Ul Hussain and Syed Mudassar. Epigenetic Silencing of TSHR gene in Thyroid Cancer Patients in relation to their BRAF V600E Mutation status. *Endocrine* 2014; 47:449-455.
 38. Mosin S Khan, Arshad A Pandith, Niyaz Azad, Mahboob Ul Hussain, Shariq R Masoodi, Khursheed A Wani, Khurshid I Andrabi and Syed Mudassar. Impact of molecular alterations of BRAF in the pathogenesis of thyroid cancer. *Mutagenesis* 2014; 29(2): 131-137.
 39. Parvaiz A Rather, Nisar Naikoo, Syed Masood, Sameena Akhtar. Association of Components of Metabolic Syndrome with Female Pattern Alopecia: A Case Control Study from Kashmir Indian Journal of Clinical and Experimental Dermatology 1/1,9-13.2015.
 40. Bhat GA, Shah IA, Rafiq R et al. Family history of cancer and risk of Squamous Cell Carcinoma of Esophagus - an outcome of a case control study in Kashmir. *British Journal of Cancer.* Jul 28;113 (3):524-32. doi: 10.1038/bjc.2015.218. Epub 2015 Jun 30. PMID: 26125444.
 41. Iqbal B, Shah IA, Bhat GA, Bhat AB, Rafiq R et al. Impediments in foreign collaboration and conducting a high throughput molecular epidemiology research in India, an assessment from a feasibility study. *Springer Plus.* 2015 Jun 23; 4:287. doi: 10.1186/s40064-015-1046-z.
 42. Dar NA, Bhat GA, Shah IA, Iqbal B, Rafiq R et al. Salt tea consumption and esophageal cancer, a possible role of alkaline beverages in esophageal carcinogenesis. *International Journal of Cancer.* Mar 15; 136(6): E704-10. PMID: 25209106.

2012-2013

1. Nighat P Khan, Arshad A Pandith, Adfar Yousuf, Nuzhat S Khan, Mosin S Khan, Imtiyaz A Bhat, Zahoor Wani, Khursheed A Wani, Mahboob Ul Hussain, Syed Mudassar. The *XRCC1* Arg399Gln Gene Polymorphism and Risk of Colorectal Cancer: A Study in Kashmir. *Asian Pac J Cancer Prev.* 2013; 14(11): 6779-6782.
2. Mosin S Khan, Arshad A Pandith, Mahboob Ul Hussain, Mohammad Iqbal, Nighat P Khan, Khurshid A Wani, Shariq R Masoodi and Syed Mudassar. Lack of mutational events of *RAS* genes in sporadic thyroid cancer but high risk associated with HRAS T81C single nucleotide polymorphism (case-control study). *Tumor Biol.* 2013; 34: 521-529.
3. Arshad A Pandith, Nighat P Khan, Niyaz A Azad, Mosin S Khan and Mohammad S Wani. Association of Chemokine and Chemokine Receptor Gene Polymorphism (MCP1 A-2518G and CCR2-V64I) with Urinary Bladder Cancer: A Study in Kashmiri Population. *American Journal of Molecular and Cellular Biology* 2013; 01: 1-13.

4. Mahrukh Hameed, Syed Mudassar, Mosin S. Khan, Nisar A Wani. Assessment of acid base and electrolyte status in patients with Chronic Kidney Disease. *Journal of Medical Sciences* 2013; 16(2): e1-e7.
5. Arshad A Pandith, Adil Lateef, Sheikh Shahnawaz, Aashaq Hussain, Tahir M Malla, Niyaz Azad, Fahim Shehjar, Mosin S Khan, Zafar A Shah. GSTP1 Gene Ile105Val Polymorphism Causes an Elevated Risk for Bladder Carcinogenesis in Smokers. *Asian Pac J Cancer Prev.* 2013; 14 (11): 6375-6378.
6. Mosin S Khan, Syed Mudassar, Mahrukh Hameed, Farhat R Shawl, Khurshid I Andrabi. Effect of Age on Antioxidant Enzymes in women Folk. *Journal of Medical Sciences* 2012; 15(2): 119-22.
7. Bhat AA. Bhat, Wani HA, Beigh MA, Bhat SA, Jeelani S, Masood A and Majid S (2013). Epigenetic promoter methylation of *HMLHI* gene in human gut malignancies: A comparative study. *J of Invest Biochem*, 2013; 2(2):101-108. (Corresp Author: Majid S)
8. Bashir H , Farooq R, Bhat M H and Majid S.(2013) Increased prevalence of subclinical hypothyroidism in females in mountainous valley of Kashmir. *Indian J Endo Metab*; 2013; 17(2): 276-280. (Corresp Author: Majid S)
9. Farooq R, Bhat AA, Wani HA, Bashir H, Naikoo NA, Amin S, Ganai BA and Majid S (2013) Role of haematological parameters in diagnosis and prognosis of Gastric carcinoma in Kashmir, India. *Int Res J of Pharma*, 2013; 4(8):134-138. DOI:10.7897/2230-8407.04824
10. Hilal A, Bhat AA, Arshid A, Khan H , Majid S et al. (2013). Distribution of p16 promoter hypermethylation in male/female colorectal cancer patients of Kashmir Valley. *Int J Eng Sci Inv*, 2(1):11-17. (Corresp Author: Majid S)
11. Farooq R, Amin S , Wani HA, Bhat AA, Bashir H, Ganai BA , Masood A and Majid S. (2013) CpG methylation in Exon 1 of *TCF4* gene as an early biomarker of gastric cancer. *Int J Pharma Sci Rev Res*, 2013; 20(2):93-97. (Corresp Author Majid. S)
12. Wani HA, Beigh MA, Amin S, Bhat AA, Khan H, Mattoo AA, Masood A and Majid S (2013). Methylation profile of promoter region of P16 gene in colorectal cancer patients of Kashmir valley. *J Biol Reg Homeostat Agents*, 2013; 27(2):297-307. (Corresp Author: Majid S)
13. Bashir H, Bhat MH , Sheikh S, Farooq R, Rabia Hamid and Majid S (2013) Hypothyroidism: Its screening and management and role in erythrocyte abnormalities: a systematic review. *Int J Med Pharm Sci*, 2013; 3(7):18-25. (Corresp Author: Majid S)
14. Mattoo AA, Khan H, Wani HA, Bhat AA, Habib M, Bashir H, Farooq R, Rasheed T, Naikoo NA, Zargar MA and Majid S (2013). RAS Association Domain Isoform A Gene (RASSF1A) Hypermethylation in Ovarian Cancer Patients of Kashmir Valley. *J Pion Med Stud*, 2013 3(2):87-91 (Corresp Author Majid. S)
15. Hassan I, Keen A, Majid S, Tehsen H (2013) Evaluation of antioxidant status in patients of lichen planus in Kashmir valley –A hospital based study. *J Saudi Soc Dermatol and Dermatol Surg*, 2013; 17(1): 13-16. <https://doi.org/10.1016/j.jssdds.2012.12>.
16. Bhat YJ , Hassan I, Peerzada S, Malik R, Majid S , Mubashir S and Latief I .(2013) Serum iron , Ferritin and Calcium levels in Premature canities. *Hair Ther Transplant* 2013; 6(1); 1000142. doi :10.41/2/2167-0951.1000142.
17. Hassan I, Peerzada S, Majid S, Hassan T (2013) Serum antioxidant status in patients with systemic sclerosis. *Indian J Dermatol*, 2013; [https:// doi:10.4103/0019-5154.110840](https://doi.org/10.4103/0019-5154.110840).
18. Hassan I, Hussain S, Keen A, Hassan T and Majid S (2013). Evaluation of the antioxidant status in vitiligo patients in Kashmir valley. A hospital based study. *Indian J Dermatol Venerol Leprol*, 2013; 79(1):100-01.
19. Bhat SA, Mir MR, Majid S, Reshi AA, Hussain I, Hassan T and Wani HA.(2013) Serum lipid profile in breast cancer patients in Kashmir. *J Invest Biochem*, 2013; 2(1):26-31
20. Rashid T , Wani MU , Majid S, Rashid S, Hassan I, Bhat AA , Wani HA (2013). A study on microalbuminuria in type-2 diabetic patients of Kashmir valley. *J Invest Biochem*, 2013 DOI:10.5455/JIB.2013071411508.
21. Hamid B, Bhat M H, Farooq R, Majid S et al. (2012). Comparison of hematological parameters in

- untreated and treated subclinical hypothyroidism and primary hypothyroidism patients. *Med J of Isl Rep of Iran*, 2012; 26(4):172. (*Corresp Author*: Majid S)
22. Bhat AA, Hilal A, Khan H, Arshid A, Farooq R, Bashir H, Tabassum R, Akbar M and Majid S (2012). Aberrant promoter region hypermethylation of hmlh1 gene in esophageal cancer patients of Kashmir valley. *Int J Eng Sci Inv*, 1(1): 24-31. (*Corresp Author*: Majid S)
23. Qulsum A, Akbar M, Ruhi A, Majid S, et al (2012). Polymorphisms in the 3'UTR of the human leptin gene and their role in hypertension. *Mol Med Reports* 5(4):1058-1062
24. Majid S, Qazi M.A, Iffat H.S (2012). Porphyrias amongst patients with cutaneous photosensitivity in Kashmir: A Seven year experience. *Ind J Dermatol Venerol leprol* 78(4):520
25. Iffat H, Sajad P, Majid S, et al (2012). Antinuclear antibody levels in polymorphic light eruption and their relation to the severity of disease. *Our Dermatol online* 3(4):318-320

Published Books

S. No.	Name of Book	Editors	ISBN	Publisher
1.	Therapeutic Applications of Honey and its Phytochemicals Volume I and II	Muneeb U. Rehman Sabhiya Majid Editors	ISBN 978-981-15-7304-0	Springer Nature Singapore Pte Ltd. 2020
2.	Illustrated Practical Biochemistry	Dr. Sabhiya Majid	978-81-9403-292-2	Mr, Books Pvt. Ltd Lal-chock Srinagar
3.	Comprehensive text book of Genetics for Nursing Students	Dr. Sabhiya Majid Dr. Showkat Ahmad Bhat	978-81-940329-1-5	Mr, Books Pvt. Ltd Lal-chock Srinagar
4.	Comprehensive text book of Biochemistry for Nursing Students	Dr. Sabhiya Majid Dr. Showkat Ahmad Bhat	978-81-940329-0-8	Mr, Books Pvt. Ltd Lal-chock Srinagar
5.	Key Concepts -Gastric Cancer Biology	Dr. Sabhiya Majid Dr. Showkat Ahmad Bhat Dr. Nisar Ahmad Gasi	978-1-73030-597-9	SARA BOOK PUBLICATION 303, Maharana Pratap Complex B/H.V. S. Hospital Paldi, Ahmedabad
6.	Key concepts Cervical cancer	Dr. Sabhiya Majid Dr. Shahida Mir Dr. Ab. Rashid	ISBN: 978-1-73041-725-2 Edition: 2017	Sara Book Publications
7.	Etiology of colorectal cancer and promotor hypermethylation	Dr. Hilal Ahmad Wani Dr. Sabhiya Majid Dr. Showkat Ahmad Bhat	978-620-2-06858-1	LAP Lambert Academic Publishing, International Book Market Service Ltd., Member of Omniscriptum publishing group, 17Meldrum street, Beau Bassin 71504, Mauritius

Book Chapters

S. No	Name of Book	Name of chapter	Authors	Publisher
1.	Medicinal and Nutritional Values of Plants	Datura as valuable Medicinal Plant and Pharmacological and Toxicological Aspects of Datura Stramonium L	Showkat Ahmad Bhat, Sabhiya Majid, Tehseen Hassan, Hilal Ahmad Wani, N.A. Naikoo	Namit Wasan (Discovery Publishing House)
2.	Therapeutic Applications of Honey and its Phytochemicals (Volume I &II)	Honey and Its Potential Antibreast-Cancer Properties: Mechanistic Insights	Rafiqa Eachkoti, Sadaf Ali, Rumaisa Rafiq, Sanah Farooq, and Shafat Ali	Springer Nature Singapore Pte Ltd.
		Therapeutic and Prophylactic Effects of Honey on Dermatitis and Related Disorders	Mosin Saleem Khan, Mir Yasir, Hilal Ahmad Wani, Ghulam Hassan Bhat, Sabhiya Majid, and Iyman Rasool	
		Scope of Honey in Diabetes and Metabolic Disorders	Hilal Ahmad Wani, Sabhiya Majid, Mosin Saleem Khan, Arif Akbar Bhat, Reyaz Ahmad Wani, Showkat Ahmad Bhat, Sadaf Ali, and Muneeb U. Rehman.	
		Phytochemicals from Honey as MAP-Kinase Inhibitors: Current Therapeutic Standing and Future Prospects	Hilal Ahmad Wani, Sabhiya Majid, Reyaz Ahmad Wani, Mosin Saleem Khan, Waseem Qureshi, Arif Akbar Bhat, Showkat Ahmad Bhat, Shabhat Rasool, Heena Amin and Mubashir Masoodi.	
		Role of Honey for Enhancing Performance in Endurance Sports.	Shahzada Aadil Rashid, Shahzada Mudasir Rashid, Insha Amin, Anam ul Haq, Fozia Shah, Asmat Rahid, Mosin Saleem Khan, Shafat Ali, and Rukhsana Akhter.	
3.	Bioremediation and biotechnology	Vermicomposting: An Eco-Friendly Approach	Ali Mohd Yattoo, Rafiqa Eachkoti, Shabhat Rasool	Springer switzerland

		for Recycling/Management of Organic Wastes	,Shahzada Mudasir Ras hid, and Sanah Farooq	
4.	Agro-Biodiversity Conservation & Sustainable Development	Medicinal plants and there potential anticancer activity	Showkat Ahmad Bhat, Manzoor R Mir, Hilal Ahmad Wani Sabiya Majid	Namit Wasan (Discovery Publishing House)
5.	Nutraceuticals and pharmaceuticals from medicinal plants	3: Valuable approaches, important concerns and Significance of medicinal plant conservation 4: Scenario of cancer and medicinal plants as a source of its treatment	Dr. Showkat Ahmad Bhat, Professor Sabhiya Majid, Dr. Hilal Ahmad Wani, Dr. Tehseen Hassan, Nisar Ahmad Naikoo Dr. Showkat Ahmad Bhat, Prof. Sabhiya Majid, Dr. Tehseen Hassan	Namit Wasan (Discovery Publishing House)