


CV		Bashir Ahmad Ganai					
Title	Prof. (Dr.)	Name(English)	Bashir	Ahmad	Ganai		
PO Box	---	City	Srinagar	Postal Code	190 006	Country	India
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Fax No.				Mobile No.	9797247851		
e-mail (1)	bbcganai@gmail.com			E-mail (2)	ganaiba@kashmiruniversity.ac.in		
Institute/ University	Kashmir University Srinagar	College/ Directorate	---		Department	Centre of Research for Development.	
Nationality	Indian	Date of Birth	02. 04 .1966		Country of Birth	India	
Languages	English, Urdu, Persian, Kashmiri						
Highest Degree	Ph.D. (2004)	Year of Graduation	1986				
University	University of Kashmir, Srinagar	Country	India				
Academic Title	Professor, Director CORD & Head, Environmental Science	Others (Specify)					
Major field	Biochemistry	Specialization field	Protein Biochemistry, Enzymology, Environmental Biochemistry, Toxicology/Medicinal Plant Research, Biotechnology/ Biotechniques/ Molecular Biology				
Current Research Interests (English)							
The Research activity in my lab focuses on antimicrobial, antioxidant, antidiabetic, and anti-inflammatory activities of some economically important medicinal plants of Kashmir Himalayas. Besides, research is being pursued in the field of microbiology and molecular oncology.							
Any additional information to be added							
<p>Professor (Dr.) Bashir Ahmad Ganai Director Center of Research for Development (CORD) & Head Department of Environmental Science, University of Kashmir, Srinagar</p> <p><u>Career Experience:</u></p> <p>Lecturer (Adhoc): Department of Biochemistry, University of Kashmir, Srinagar 01-10-94 to 26-10-99</p> <p>Assistant Professor : Department of Biochemistry, S.P. College, Srinagar 27-10-99 to 11-08-2006</p> <p>Associate Professor: Department of Biochemistry, University of Kashmir, Srinagar Aug. 2006 to Aug. 2012</p> <p>Professor: Department of Biochemistry, University of Kashmir, Srinagar Aug. 2012 to Sep. 2013</p> <p>Professor: CORD, University of Kashmir, Srinagar September, 2013-----</p> <p><u>Academic Profile:</u></p> <p>Ph.D, Biochemistry University of Kashmir, Srinagar</p> <p>M. Phil, M.Sc ,Biochemistry University of Kashmir, Srinagar</p> <p>Joint (CSIR-UGC) NET/JRF/SRF—All India level</p>							

Academic/Administrative level

New York Academy Sciences, USA

Nominated as International Man of the year 1999/2000 by International Biographical Center Cambridge, England

Member of DRCs of various science Departments of Kashmir University and other Universities of the country

Subject expert to Department of higher education, J& K Government

Member of Board of Post- Graduate Studies in Biochemistry, University of Kashmir

Worked as Head Department of Biochemistry in S.P college , 2003-2006

Coordinator, Clinical Biochemistry, Kashmir university, Srinagar from March 2013 to Sept. 2013

Director, Centre of Research for Development and Head Environmental Science, Kashmir University, Srinagar from Oct 2013 till Date

Member, Technical Committee for Research in Wildlife, J& K Government

Awards & Medals:

Awarded as Best Graduate by Kashmir University in 1986, Awarded with UGC fellowship (1991-1993)

Excellent teacher Award by university of Kashmir 2006.

Awarded as Environmentalist of the year 2008, by NESI, New Delhi (**Gold Medal**)

Awarded as scientist of the year 2009, by NESI, New Delhi (**Gold Medal**)

Awarded as International Einstein's Award 2010 by Cambridge, England

Awarded as the Eminent scientist Award 2010 by NESI, New Delhi. (**Gold Medal**)

Awarded as Einstein Award for excellence 2011, by American Biographical institute, USA

Best poster award in a work shop organized by Department of Botany on the occasion of its Golden Jubilee

Young Investigators award for one of my paper presented in International Conference in Bhartiya University, on Glutathione S- transferase and its polymorphism in CML patients of Kashmiri Population

Gold medal Awarded by APSI, in TC college Baramati Pune.3rd Feb, 2012

Medal for excellence in Molecular Biochemistry by American Biographical institute USA

Bharat Jyoti Award for meritorious services, outstanding performance and remarkable role presented by Indian International friendship Society by the hands of Dr. Bhisma Narain Singh former Governor of Tamil Nadu and Assam.

Certificate of Excellence-2013 for outstanding contribution in the field of Protein Biochemistry and Enzymology by Academy of plant Science, India on 2nd Feb.2013 at Modi Institute of Management and technology Kota Rajasthan, through the Hands of Minister of PWD, Rajasthan Sri Bharat Singh

Fellowship Award(Gold medal) by NESI on 9th Dec. 2013 on a National Conference at Jamia Hamdard University ,New Delhi through the hands of V.C IGNOU and V.C Jamia Hamdard University(Prof. Mohd Ismail and Dr G N Qazi).

Awarded as **Gold medal** on the event of “ International Symposium on Biodiversity: Status,Utilization and impact of challenging climatic conditions organized by Babasaheb Bimrao Ambedkar University, Lucknow, Uttar Pradesh in collaboration with the Indian Academy of Environmental sciences, Haridwar, Uttarakhand from 30th 31st Oct.,2014 through the hands of Vice chancellor R.C Sobti of BBAU.

Teaching: Was selected in Department of Biochemistry, University of Kashmir as Reader (Associate Professor) in 2006. Being actively engaged in various research programmes, besides, completed a number of research projects which have a direct relevance to J & K, Govt. in general and Kashmir in particular.

Title of the projects completed and in hand are:

Leptin gene polymorphism of hypertensive patients in Kashmir population. (funded by DST – India) 11 lac

Micro propagation of *Artemisia amygdalina* and evaluation of its medicinal values of an endemic and critically endangered medicinal of North Western Himalayas.(funded by UGC). 11 lac

XRCC1 Gene polymorphism in ALL patients of Kashmiri Population. (Non-funded).

Irf1 gene polymorphism in AML patients of ethnic group. (Non-funded).

Genetic study of common variants at the Apo A, ApoB , Apo E genes in association with coronary artery diseases and its impact on apolipoprotein concentration in serum (DST , Tanzela Khan as PI and myself as Mentor) 17.8 lac

“Association of genetic variations of the folate metabolism pathway genes with colorectal cancer susceptibility and its impact on folate levels in plasma/serum.(DST , FalakQazi as PI and myself as Mentor).18 lac

Genetic polymorphism of cyp 3A4 and its relevance with the risk of acute lymphoblastic leukaemia in Kashmiri population” Sanctioned by state DST. 13.8 lac.

In vitro culture and phytochemical analysis of *Arnebiabenthami* - A Critically endangered medicinal plant of Western Himalaya”. DST India 26lac.

“Induction of variability for genetic improvement of Kashmir saffron”Ministry of Science and Technology, Department of Biotechnology90.7lac. (Myself as Co- PI).

“Evaluation of Genetic variants and comparative expression analysis of TNF- α .Il -6, Il-i β in peripheral blood mononuclear cells of type-2 diabetic patients with neuropathy. (DST , Iqra Hamid as PI and myself as Mentor).19.6 lac.

Thyroid hormone gene polymorphism in Kashmir population, SRF position to Gousia Qayoom and myself as Mentor.

Research Experience: Having research experience of **more than 18 years**.

Teaching Experience: Having **more than 20 years** of teaching experience at Graduate and Post Graduate levels.

Workshop Conferences, Symposia and Seminars Attended:

Three days seminar on 1st Jammu and Kashmir Agricultural Sciences Congress SKUAST, Shalimar Srinagar, 8-10 Sept.2011.

One day work shop on conservation of medicinal and aromatic plants organized by Department of Botany Kashmir university, Srinagar, Oct,2011

Two day seminar on modern trends in Bioscience, organized by Department of Biochemistry S.P college Srinagar. 3-4 Oct, 2011.

Attended Brain storming programme organized by department of CORD in Collaboration with DST India.

Three day International Conference on “Environment, Genes, Health and Diseases, In Bhartiya University Coimbatore, Tamil Nadu and Presented a paper on” Glutathione S- transferase and its polymorphism in CML patients of Kashmiri Population and also presented a poster “Ecology and Medicinal values of *Gentianakuroo* of Kashmir Himalayas.

Three day national Conference held in T.C P.G, College Baramati Pune and presented a paper “Effect of in vitro culture on therapeutic values of *Artemisia amygdalina*. 3-5thfeb, 2012.

Participated in conference held in Islamia College Srinagar by Department of Botany on 14-15th March 2012 on topic entitled” Medicinal plants: Current status and future prospects.

Attended ASM virtual workshop on Scientific writing and publishing, Held on 23rdJuly, 2012 at Kashmir University, Srinagar by American society of Microbiology

Participated in 8th J K science Congress 2012 on “Science, Technology & Regional Development: Opportunities and challenges” held in university of Kashmir Srinagar from 17-19th sep.2012, participated and made an oral presentation on medicinal plants of Kashmir valley and acted as Chairman of *the Biochemistry and Biotechnology section*.

Participated in National seminar on science for shaping the future of India “Faunal diversity Challenges and opportunities 19th -21st Nov,2012, Organized by Department of zoology Kashmir university Srinagar.

Participated and chaired the technical session in institute of Science Mumbai on 14th Dec.2012 on an event of National conference on “ Role of Biotechnology In conservation and sustainable use of Medicinal plants.

Participated and chaired the technical session in Modi institute of Science and Technology Kota Rajasthan on an event of 22nd APSI Scientists meet 2013 and National conference on “Sustainable utilization of plants for Millennium development”.

Attended a National Academic workshop on “Areas o priority and Branches of knowledge Necessary for promoting School and College Education in the state” held at University of Kashmir organized by faculty of Education University o Kashmir Srinagar on Oct, 17-18, 2012.

Attended and delivered a lecture on sustainable developments on 9 Dec 2013 in university of Jamia Hamadard New Delhi. Presented a paper “ Anti-arthritic potential of *Artemisia amygdalina* Decne in the international symposium on Biodiversity: Status,Utilization and impact of challenging climatic conditions organized by Babashaeb Bimrao Ambedkar University, Lucknow, Uttar Pradesh in collaboration with the Indian Academy of Environmental sciences, Haridwar, Uttarkhand from 30th 31st Oct.,2014.

Life Member of various Societies/ Bodies:

Member of Board of Post- Graduate Studies in Biochemistry, Kashmir University, Subject expert to department of higher education J & K Government. Member of Undergraduate studies, Department of Chemistry, Kashmir University.

Member of National Environmental Science Academy, New Delhi. Member of New York Academy Sciences, USA.

Member of advances in Plant Science Academy, India. Member of Post graduate studies of Environmental Sciences, Kashmir University. Member of Undergraduate studies, Department of Bio Chemistry, Kashmir University.

Member of Oriental sciences, J& K , Srinagar. Reviewer of various Journals(national and International) and Abstract committees, like Bentam and African Journal of Biotechnology, Arabian journal of chemistry, Advances of Plant Sciences India, African journal of Biotechnology, and Journal of Medicinal plants.

Reviewer of Tumri, reviewer of Hematology, IJMPR .Member of Society of Biological Chemists ,India
 Reviewer of American Chemical Science Journal, Science Domain International
 Chief Editor of Himalayan Ecology and Sustainable Development
 Chief Editor of -----

Number of M.Phil and Ph.D Scholars guided so far = 33

Name of the Scholar	Topic	Degree and Date of award	Grade obtained
Rafia Rasool	Invitro Analysis in Medicinal Values of <i>Prunella vulgaris</i> and its Phytochemical Screening	M.Phil/02-09-2009	Outstanding(O)
Qulsum Akhtar	Leptin Gene Polymorphism in Kashmiri Population and its relation with hypertension	M.Phil/13-11-2009	Outstanding(O)
Syed Irtiza Ahmad	Screening of some Medicinal Plants of Kashmir Valley for Anti-inflammatory Action	M.Phil/-2009	O,O,A grade
K.Mubashir Qayoom	In-Vitro Culture and Gene Polymorphism in <i>Artemisia amygdalina</i>	M.Phil/06-12-2010	Outstanding(O)
Sabha Rasool	Polymorphism of Esophageal Cancer Related Gene 1 (ECRG1) and its Related Risk to Squamous Cell Carcinoma in Kashmir	M.Phil/06-12-2010	Outstanding(O)
Falk Qazi	DNA Repair Gene XRCC1 Polymorphism in Acute Lymphocytic Leukemia in Kashmiri Population	M.Phil/06-12-2010	Outstanding(O)
Tanzella Khan	Study of Irf-1 Gene in Kashmiri Population and its Relation with Acute Myelocytic Leukemia	M.Phil/06-12-2010	Outstanding(O)
Zamrood Abdullah	Isolation, Purification and Characterization of Sulphiteoxidase from <i>Rumex hastata</i>	M.Phil/12-02-2011	Outstanding(O)
Khalid Gazanfar Musthfa	Antidiabetic action of <i>Achillea mellifolium</i> and <i>Berberis lycium</i>	M.Phil/06-2011	Outstanding(O)
Misba Khan	Anti-oxidant and antibacterial activities of <i>Elsholtzia densa</i>	M.Phil/07-2011	Outstanding(O)
Gousia Quayoom	XRCC1 gene polymorphism of lung cancer patients of Kashmiri	M.Phil/09-2011	Outstanding(O)

	population			
Shugupta Sheikh	XRCC1 gene polymorphism of Breast cancer patients of kashmiri population	M.Phil/09-2011	Outstanding(O)	
Fakira Hassan Nazki	Thymidilate +-synthetast gene polymorphism in ALL patients of Kashmiri Population.	M.Phil/12-2011	Outstanding(O)	
RafiaRasool.	In vitro regeneration of <i>Artemisia amygdalina</i> and evaluation of its medicinal values.	PhD/08-2012	Awarded	
Iqra Hameed	Evaluation of insulin receptor (INSR),leptin receptor(LEPR)and β_3 -adrenergic receptor(ADBR3)gene polymorphism in diabetes mellitus patients of Kashmir valley.	M.Phil/ 07-2012	Outstanding (O)0	
Gulzar Ahmad Bhat	Study of <i>irf-4</i> gene in Kashmiri population and its relation with CML	M.Phil/09-2012	Outstanding A (O)	
Roshina Bashir	Prevalence of iron deficiency anemia among adolescent girls and impact of health and nutritional education programme in changing their dietary behavior.	M. Phil 2013	Awarded Outstanding A (O)	
Qulsum Akhter	Leptin Gene Polymorphism in Kashmiri Popu+----- lation and its relation with hypertension(and its expression)	PhD/-2013	Awarded	
WaniAadil Islam	Association of cyp3A5 Gene polymorphism with hypertension in Kashmiri population”	M,Phil/2013	Awarded Outstanding A (O)	
Muzamil Ali	Study of <i>irf-8</i> gene in Kashmir population and its relation with chronic myeloid leukemia”	M,Phil/2013	Awarded Outstanding A (O)	
NidaShapooo	Polymorphism in cyp 2D6 in ALL patients of Kashmiri population	M,Phil/2013	Awarded Outstanding A (O)	
AhlamMushtaq	Anti-diabetic activities of <i>Erumerus himiliaca</i>	M,Phil/2013	Awarded Outstanding A (O)	
Afeefa Qayoom :	“Comparative study of Carbon Sequestration Potential of Herbaceous Vegetation of Forests and Grass lands	M,Phil/2013	Awarded Outstanding A (O)	
Suhaib A Bandh	— -	PhD/ 2013	Awarded	
Mohammad Sikander Bhat	“Impact of brick kiln emissions on vegetation and human health ”	M. Phil/2014	Awarded Outstanding A (O)	

Tanzeela Khan	Genetic study of common variants at the Apo-A1 and Apo-B genes in Association with Coronary Artery Disease (CAD) ”	Ph,D/ April 2014	Awarded
Sabha Rasool	“Association of a VDR Gene Polymorphism with Risk of Colorectal Cancer in Kashmir	Ph,D/june 2014	Awarded
Bilal Ahmad Wani		Ph,D/April 2014	Awarded

No of publications=110

List of few important Publications of Dr. Bashir A. Ganai

Mudasir A. Tantry, Gulzar A. Bhat, Ahmed Idris, Javid A. Dard, SulimanYousef Al Omard,Khalid Z. Masoodie, **Bashir A. Ganai**,Azra N. Kamili, and Abdul S. Shawl.(2014).Sulfated Triterpenes from Lemon Balm .*Helvetica Chimica Acta* –**97**,pp 1497-1506.Published by Verlag Helvetica Chimica Acta AG, Z_rich

KhanMubashir, **Bashir A. Ganai**, Khalid Ghazanfar, and Seema Akbar.(2014).Evaluation of Antiarthritic Potential of Methanolic Extract of *Gentiana kurroo* Royle.Hindawi Publishing CorporationArthritisVolume 2014, Article ID 810615, 6 pages<http://dx.doi.org/10.1155/2014/810615>.

Nazki, F.H., Sameer, A.S., **Ganai, B,A.**(2014).Folate: Metabolism, genes, polymorphisms and the associated diseases .*Gene* 533 (1), 11-20.

Rabia Farooq, Shajrul Amin, Hamid Bashir, **Bashir Ahmad Ganai**, Sabhiya Majid.(2014).TCF4 may act as a tumor suppressor gene incolorectal carcinogenesis.World Journal of pharmaceutical Research.**3(8)** ISSN=2277-7105.i.F 5.05.

Bhat Mohd Skinder, Ashok K. Pandit, Afeefa Qayoom Sheikhand **Bashir Ahmad Ganai***.(2014). Brick kilns: Cause of Atmospheric Pollution, *Pollution Effects & Control* 2(2), 1-7

Afeefa Qayoom Sheikh, Bhat Mohd Skinder*, Ashok K Pandit and **Bashir Ahmad Ganai**.(2014) Terrestrial Carbon Sequestration as a Climate Change Mitigation Activity. *Pollution Effects & Control* 2(1), 1-8

Khalid Ghazanfar, **Bashir A. Ganai**, Seema Akbar, KhanMubashir,Showkat Ahmad Dar, Mohammad Younis Dar and Mudasir A. Tantry.(2014). Antidiabetic Activity of *Artemisia amygdalina* Decne in Streptozotocin Induced Diabetic Rats. Biomed International (Hindiwai Publication). Hindawi Publishing Corporation BioMed Research International ID 185676, 10 pages <http://dx.doi.org/10.1155/2014/185676>.

AhlamMushtaq, Seema Akbar, Mohammad A. Zargar, Adil F. Wali, Akhtar H. Malik, Mohammad Y. Dar, Rabia Hamid,1 and **Bashir A. Ganai**.(2014).Phytochemical Screening, Physicochemical Properties, Acute Toxicity Testing and Screening of Hypoglycaemic Activity of Extracts of *Eremurus himalaicus* Baker in Normoglycaemic Wistar Albino Rats Strain BioMed Research International , Article ID 867547, 6 pages <http://dx.doi.org/10.1155/2014/867547>

Gulzar Bhat; **Bashir.A.Ganai**. and Abdul S. Shawl.(2014). Newphenolics from the root of *Scutellaria prostrate* JACQ.ex BENTH.*Natural Product Research, Taylor and Francis* doi.org/10.1080/14786419.2014.9390882.

Ashaqullah Bhat; Aadil Wani; Rajinder Kaur; Gulzar Ahmad Bhat; Muzamil Ashraf makhdoomi; Arif Bashir: Nida Sadiq; Muzamil Ali; Shokat ahmad Kadla and **Bashir Ahmad Ganai**.(2014). Intervention of Pharmacogenetic Profiling in Threapeutics of Kashmiri Population, A lesson learned from CYP 3A5*3 Variant. *Online journal of Biological Science*, **14(3)**: 167-171.

S,Rasool; V Rasool; T Naqvi; **BA Ganai** .(2014).Genetic unraveling of colorectal cancer. *Tumor Biology*.1-16

Sabha Rasool; Showkat A. Kadla; Vamiq Rasool; Falak Qazi; Tanzeela Khan; Nisar A. Shah and **Bashir A. Ganai**,(2014). Role of the VDR BsmI and Apa I polymorphisms in the risk of Colorectal Cancer in Kashmir. *Oncology Research and Treatment*. **DoI:10.1159/00362859**. Karger publications

Falak Qazi;, Tanzeela Khan;, Haroon R. Naqshi; Sabha ; Nisar A. Chowdri; **Bashir A. Ganai**;2014 . Association of Reduced Folate Carrier (RFC) Gene Polymorphism with Colorectal Cancer Susceptibility in Kashmir. *International Journal of Sciences: Basic and Applied Research (IJSBAR) ISSN 2307-4531 (Print & Online)506-518*

KhanMubashir, Khalid Ghazanfar, **Bashir A. Ganai**, Seema Akbar, Akhtar H. Malik, and Akbar Masood (2014). Scientific Validation of *Gentiana kurroo* Royle for .Anti-Inflammatory and Immunomodulatory Potential *Hindawi Publishing CorporationISRN Inflammation Volume 2014, Article ID 701765, 5 pages* <http://dx.doi.org/10.1155/2014/701765..>

KhanMubashir; **Bashir A. Ganai**; Khalid Ghazanfar; Seema Akbar,; Akhtar H. Malik and Akbar Masood (2014). Evaluation of *Artemisia amygdalina* D. for Anti-Inflammatory and Immunomodulatory Potential. *Hindawi Publishing CorporationISRN Inflammation Volume 2013, Article ID 483646, 5 pages* <http://dx.doi.org/10.1155/2013/483646.pp1-5>

Dar, N.A; Pandit, A.K and **Ganai,B.A** (2013). Seasonal variation in the pigment Content of Dominant Macrophytes from wular Lake, Kashmir Himalaya, India. *Biochemistry and Pharmacology*. **2(4)**: 1-6

Mubashir Khan; **Bashir A. Ganai**; Azra N. Kamili and Masood Akbar(2013). Inter-simple Sequence Repeat (ISSR) Analysis of Somaclonal Variation in *Artemisia amygdalina* Decne. Plantlets Regenerated from nodal explants. *Journal of New biological Reports* 2(1): 40-43. ISSN: 2319-1104.

Misba Khan, Showkat Ganie, Ishfak Wani, **Bashir Ganai**, Akhter Malik, Mohammad Zargar, Masood Akbar, Hamid Rabia;(2013). Antimicrobial Potentiality of *Elsholtzia densa* against Pathogenic Bacterial and Fungal Strains

Tanzeela Khan; Falak Qazi; Sabha Rasool; Saima Rashid; Qulsum Akhtar; Akbar Masood and **Bashir Ahmad Ganai**(2012). Genetic variants of the APO-Ai gene in Association with Coronary artery Disease. *Intenational Journal of Science: Basic And Applied Research(IJSBAR)*. **5(1)**: 33-42.: ISSN 2307-4531

Rasool, S., Kadla, S. A. Khan, T., Qazi, F., Shah, N., Basu, J., Khan, B. A. and **Ganai, B. A.** 2013. Association of a VDR gene polymorphism with risk of colorectal cancer in Kashmir. *Asian Pacific Journal of Cancer Prevention* **14** (10) pp. 5833-5837.

Rafiq, S., Majeed, R., Qazi, A.K., **Ganai, B. A.**, Wani, I., Rakhshanda, S., Qurishi, Y. and Hamid, R. 2013. Isolation and antiproliferative activity of lotus corniculatus lectin towards human tumour cell lines. *Phytomedicine*. **21** (1) pp. 30-38.

Hameed, I., Masoodi, S. R., Afroze, D., Naykoo, N. A., Bhat, R. A. and **Ganai, B. A.** 2013. Trp homozygotes at codon 64 of ADRB3 gene re protected against the risk of type 2 diabetes in the Kashmir population. *Gene Testing and Molecular Biomarkers* **17** (10) pp. 775-779.

Rasool, R., Kadla, S. A., Rasool, V. and **Ganai, B. A.** 2013. A comparative overview of general risk factors associated with the incidence of colorectal cancer. *Tumour Biology* **34** (5) pp. 2469 – 2476.

Rasool, R., **Ganai, B. A.**, Akbar, S. Kamili, A. N. 2013. Free radical scavenging potential of in vitro raised and greenhouse acclimatized plants of *Artemisia amygdalina*. *Chinese Journal of Natural Medicines*. **11** (4). 337 – 384.

Rafia Rasool, **Bashir A. Ganai**, Azra Kamili, Seema Akbar and Akbar Masood. (2013). Synergetic effects of Auxins and cytokinins on propagation of *Artemisia amygdalina* (Asteraceae), A critically endangered Plant of Kashmir. *Pak. J. Bot.*, **45**(2):629-634. ISSN: 2141-2162

Bilal A. Wani, D. Ramamoorthy, Khaleefa Aslam, Akhter H. Malik, **Bashir A. Ganai*** (2013). Antibacterial activity of aerial parts of *Thymus serpyllum* Linn. Against clinically important bacterial strains. *International journal of Science inventions today*, **2**(1), 78-85. ISSN: 2319-5436.

Sabha Rasool, Tanzeela Khan, Falak Qazi and, **Bashir Ahmad Ganai**. (2013). ECRG1 and its Relationship with Esophageal Cancer: A Brief Review. *Onkologie* : **36**: 213-216. **Impact factor 0.95** and ISSN: 0378-584X.

Rafia Rasool, **Bashir Ahmad Ganai**, Seema Akbar, Azra Nahaid Kamili, Muhammad Younus Dar and Akbar Masood. (2013) Variation in bioactive principles of *Artemisia amygdalina* Decne. in wild and tissue culture regenerants. *Pak. J. Pharm. Sci.*, **26** (3) May 2013, pp. 623-628;). **Impact factor: 1.103**. ISSN 1011-601X

Iqra Hameed, Shariq R. Masoodi, Dil Afroze, Niyaz A. Naykoo, Riyaz A. Bhat, and **Bashir A. Ganai** (2013). Trp Homozygotes at Codon 64 of ADRB3 Gene are Protected Against the Risk of Type 2 Diabetes in the Kashmiri Population. *Genetic testing and molecular biomarkers* **17**(10). 775–779 DOI: 10.1089.

Mudasir, A., Tantry ; Bashir A, Ganai; Azra N, Kamili; Md Nimat Ali and Abdul S. Shawl. (2013). Plant coumarins- Occurrence, Biosynthesis and perspectives. *Journal of Research and Development*, **13**: 33-49. ISSN 0972-5407.

Mudasir, A., Tantry ; Gulzar A. Bhat ; Bilal Ahmad Wani, Bashir A, Ganai; Azra N, Kamili; Ruqeya Nazir and Abdul S. Shawl. (2013). Composition of Essential oils from the leaf –margin of lemon Balm. *Journal of Research and Development*, **13**: 80-84. ISSN 0972-5407.

Sabha Rasool & Showkat Ahmad Kadla & Vamiq Rasool & **Bashir Ahmad Ganai** (2013). A comparative overview of general risk factors associated with the incidence of colorectal cancer, *Tumor Biol.* (2013) **34**: 2469–2476 “DOI 10.1007/s13277-013-0876-y

Sabha Rasool; **Bashir A Ganai**; A Syed Sameer and Akbar Masood. (2012). Esophageal cancer: associated actors with special reference to the Kashmir valley, *Tumori*, **98**: 191-203 **I.F=1.14**; ISSN : 0300-8916

Gulzar Bhat, Ashaquallah Bhat, Aadil Wani, Nida Sadiq, Samoon Jeelani, Rajinder Kaur, Akbar Masood and **Bashir Ganai** (2012). Polymorphic Variation in Glutathione-S-transferase Genes and Risk of Chronic Myeloid Leukaemia in the Kashmiri Population. *Asian Pacific Journal of Cancer Prevention*, **13**: 69-73.

F.H. Nazki, A. Masood, M.A. Banday, A. Bhat and, **B. A. Ganai** (2012). Thymidylate synthase enhancer region polymorphism not related to susceptibility to acute lymphoblastic leukemia in the Kashmir population,

Abid H Banday; Shameem A Shameem and **Bashir A Ganai** (2012). Antimicrobial studies of unsymmetrical bis-1,2,3-triazoles. *Organic and Medicinal Chemistry Letters*. **2**(13): doi:10.1186/2191-2858-2-13. ISSN 2191-2858.

Rafia Rasool, **Bashir A. Ganai**, Seema Akbar, Azra N. Kamili, Mohammad Y. Dar and Akbar Masood. (2012). Anti-oxidant activities of extracts of the Inflorescences and Aerial parts of the herb, *Artemisia amygdalina* Decne. *Journal of Horticultural Sciences and Biotechnology*. **87**(5) 455-460, **Impact factor: 0.84**. ISSN: 14620316.

Suhaib ,A.Bandh,; Azra Nahid Kamili and **Bashir A. Ganai** (2011). Identification of some *Penicillium* species by traditional approach of Morphological observation and culture. *African Journal of Microbiology Research*, **5**(21), 3493-3496. Academic Journals. ISSN 1996-0808, **IMPACT FACTOR 0.533**)

Rouf Hamza Boda, Abdul Hamid Wani, Mohammad Afzal Zargar, **Bashir Ahmad Ganai**, Bilal Ahmad Wani and Showkat Ahmad Ganie. (2012) Nutritional values and antioxidant potential of some edible mushrooms of Kashmir valley, *Pak. J. Pharm. Sci.*, **25**(3), 623-627., **Impact factor: 1.103**. ISSN 1011-601X.

Rafia Rasool, Gulnaz Bashir, Azra N. Kamili, Seema Akbar, **Bashir A. Ganai** and Irfan Ahanger. (2012). Comparisional analysis of Wild and Regenerant products of *Artemisia amygdalina* Decne. against Clinical MDR isolates. *Journal of Pharmacy Research*, **5**(5), 2562- 2566. **Impact factor: 2.36**. ISSN: 0974-6943.

Manzoor A. Rather, Bilal A. Dar, Mohd Yousuf Dar, Bilal A. Wani, Wajahat A. Shahb, , Bilal A. Bhat, **Bashir A. Ganai**, Khursheed A. Bhat, Rajneesh Anand, Mushtaq A. Qurishi. (2012). Chemical composition, antioxidant and antibacterial activities of the leaf essential oil of *Juglans regia* L. and its constituents. *Phytomedicine*. **19** , 1185– 1190 **Impact factor: 3.26**. ISSN: 0944-7213

Iqra Hameed, Dil-Afroze, Shariq R. Masoodi, Riaz A. Bhat and **Bashir A. Ganai**. (2012) Screening Codon 233, 234 and 276 Polymorphisms in Exon 3 of Insulin Receptor Gene in Type 2 Diabetes Mellitus Patients of Kashmir Valley” *IOSR Journal of Pharmacy And Biological Sciences (IOSRJPBS)* **3**(6): 07-10: ISSN: 2278-3008.

Manzoor A. Rather, Tauheeda Hassan, Bilal A. Dar, Abdul S. Shawl, Mushtaq A. Qurishi and **Bashir A. Ganai**. (2012). Essential Oil Composition of *Nepeta raphanorrhiza* Benth growing in Kashmir valley. *Rec. Nat. Prod.* **6**:1 ,67-70 ISSN 1307-6167. H index =4.

Khalid G. Mustafa; **Bashir A. Ganai**; Seema Akbar; Mohamad Y. Dar and Akbar Masood (2012). β -Cell protective efficacy, hypoglycemic and hypolipidemic effects of extracts of *Achillea millifolium* in diabetic rats. *Chinese Journal of Natural Medicines* **10**(3):185-189 on line May 2012 **ISSN: 1875-5364** Imprint: ELSEVIER

Abid, H, Banday, M. Iqbal, Zargar and **Bashir, A. Ganai**. (2011). Synthesis and antimicrobial studied of chalconylpregnenolones. *Steroids* **76**(12) :1358–1362 **I.F=3.1** ;ISSN: 0039-128X;

Khalid Gazanfar Mustafa; **Bashir Ahmad Ganai**; Seema Akbar; Mohammad Younis Dar; Mudasir Ahmad

Tanatry and Akbar Masood. (2011). The extracts of *Berberis lycium* and diabetes mellitus in alloxan monohydrate induced diabetic rats. *Journal of Pharmacy Research*. **4**(8), 2570-2573. ISSN:0974-6943

Manzoor A Rather; **Bashir A Ganai**; Bilal A Dar, Shanawaz ,N Sofi and Ahktar, H Malik.(2011). GC-FID and GC-MS analysis of the Essential oil of *Elsholtzia densa* Benth - a rich source of acylfuran non-terpene ketones. *International Journal of Research in phytochemistry and Pharmacology(IJRPP)*, **1**(2) :74-76; ISSN :2231-010X

Manzoor. A. Rather, Shahnawaz. N. Sofi¹ , Bilal. A. Dar¹ , **Bashir. A. Ganai** , Akbar Masood , Mushtaq. A. Qurish, Abdul S Shawl (2011). "Comparative GC-FID and GC-MS Analysis of the Leaf and Stem Essential Oil Constituents of *Artemisia amygdalina* Decne from Kashmir." *Journal of Pharmacy Research* **4**(6),1637-1639 ; ISSN:0974-6943

Suhaib a. Bandh; Azra N. Kamili; **Bashir A. Ganai**; Samira Saleem.(2011). Isolation, identification and seasonal distribution of *Penicillium* and *Aspergillus*. spp. in Dal lake, Kashmir. *International journal of current research*.**3**(10),038-042 ISSN: 0975-833X

Suhaib a. Bandh; Bashir. A. Lone; M.Z Chisti; Azra N. Kamili; **Bashir A. Ganai**; Samira saleem.(2011). Evaluation of anti-helminthic and anti-microbial activity of methanolic extracts of *Nepeta cataria*. *New York Science Journal*,**4**(8).129-135; ISSN: 1554-. 0200.

Misba khan; Showkat A. Ganai;Ishfaq Hussain Wani; **Bashir Ahmad Ganai**; Akbar Masood; Muhammad Afzal Zargar; Ahktar Hussain Malik and Rabia Hamid.(2012). Free radical scavenging activity of *Elsholtzia densa*. *Journal of Acupuncture and Meridian studies*.**5**(3),104-111ISSN: 2005-2901, Imprint: ELSEVIER, H,index=7 On line from 20 Jan, 2012, Elsevier

Bilal.AWani;D. Ramamoorthy; Manzoor a Rather; **Bashir A. Ganai**; Akbar Masood; M.A Zargar and Ishfaq. A. Wani.(2011). Headspace solid phase micro extraction(HS-SPME)gas chromatograph mass spectrometric (GC-MS) analysis of the volatile aroma components of *Gentiana kurroo* Royle. *Journal of Pharmacy Research* **4**(9);2943-2945 ISSN:0947-6943. **I.f=2.3**

Manzoor A. Rather, **Bashir A. Ganai**, Azra N. Kamili,Mubashir Qayoom, Seema Akbar,Akbar Masood, Rafia Rasool, Sajad H. Wani, Mushtaq A. Qurishie.(2011).34(3) 885-890., Comparative GC-FID and GC-MS analysis of the mono and sesquiterpene secondary metabolites produced by the field grown and micropropagated plants of *Artemisia amygdalina* Decne. *Acta Physiologiae Plantarum*.DOI:10.1007/s11738-011-0886-6. On line, 5th Nov:2011. **I.F: 1.5**. Springer. ISSN: 0137-5881 (print version) ISSN: 1861-1664 (electronic version)

Rafia Rasool, **Bashir A. Ganai**, Azra N. Kamili and Seema Akbar.(2011). Antioxidant potential in callus culture of *Artemisia amygdalina* Decne. *NATURAL PRODUCT RESEARCH*) Online,ISSN:1478-6427;Taylor and Francis DOI:10.1080/14786419

Bilal A. Wani¹, *D. Ramamoorthy and **Bashir A. Ganai** (2011). Preliminary phytochemical screening and evaluation of analgesic activity of methanolic extract of roots of *gentiana kurroo* royle in experimental animal models. *international journal of pharmacy and pharmaceutical sciences*ISSN- 0975-1491, **3**(4), 164-166. **Impact factor- 0.38**

Qulsum Akhter, Akbar Masood, Rohi Ashraf, SabiaMajid,RaiaRasool, Tanzeela Khan, A syed Sameer and **Bashir AhamadGanai**, (2012). Polymorphisms in 3' UTR of the human leptin gene and their role in hypertension. *Molecular Medicine Reports*. **5**(4), 1058-1062 on line.01/2012.DOI, 10.3892. Print ISSN: 1791-2997Online ISSN: 1791-3004; **I.F=0.36**)

Sabha Rasool, **Bashir Ahmad Ganai**, Showkat Ahmad Kadla, Abdul Gani Ahanger, FalakQazi, Tanzeela Khan, VamiqRasool, Akbar Masood.(2011). The ECRG1 290 Arg/ Gln polymorphism is related to risk of esophageal squamous cell Carcinoma in Kashmir. *Asian Pacific Journal of cancer Prevention*. 12: 265-269 **ISSN: 1513-7368, H index=22 and I.F=1.11**

K, Gazanfar, **B. A Ganai**; M.A Zargar; A. Masood and I.A Nawchoo (2011). Studies on antibacterial, anti-fungal and anti-oxidant activities of *Saussurea costus*. *A critically Endangered Medical plant of N.W. Himalaya . Advances in plant Science*. **24**(1) 43-48 (international). ISSN:0970-3586.

Sana Shafi; Suhaib A. Bandh; Azra N. Kamili; Manzoor A. Shah; **Bashir A. Ganai** and Nowsheen Shameem.(2011). A Preliminary Microbiological Study of Sindh, a Glacier fed River of Sonamarg Kashmir. *New York Science Journal*, **4**(10). 58-62.

Khan, T., **Ganai, B. A .**, Masood, A., Samoon, J., Beigh, S. R and Qazi, F.(2010). Relation between IRF-1 gene and Acute Myelocytic Leukemia in Kashmiri Popultion.*Asian Pacific Journal of cancer Prevention*.11: 1035-1039. **ISSN: 1513-7368, H index=22 and I.F=1.11**

RasoolRafia; **Ganai, B.A**; Akbar, S; Kamili, A. N and Masood, A. (2010). Phytochemical Screening of *Prunella vulgaris* L. - An Important Medicinal Plant of Kashmir. *Pakistan Journal of Pharmaceutical Sciences*23 (4): 399- 402. ISSN 1011-601X **I.F=0.83**

Fozia Kounsar; Manzoor A. Rathe; **Ganai, B. A.** and Mohd A. Zargar.(2010). Immuno-enhancing effects of the herbal extract from Himalayan rhubarb *Rheum emodi* Wall. exMeissn.*Food chemistry*10350 :1-6.ISSN: 0308-8146; **I.F=3.45**

Ganai, B. A; Zaar; S. K. Rafiq; Masood; M.A Zargar and Ravinder Kumar (2010). Impactof brick Kiln Emissions on biochemical parameters of *Malvasylvestrislin*. *Advances of Plant Science*.(international) **23**(II) 545-546.**I.f=2.7** ISSN :0970-3586.

Rasool Rafia; Kamili, A. N; **Ganai, B.A** and Akbar, S. (2009). Effect of BAP and NAA on shoot regeneration in *Prunella vulgaris*. *Journal of Natural Sciences and Mathematics* **3**(1): 21- 26.(Buraydah, Saudi Arabia).ISBN ISSN :0022-2941

Ganai, B. A; Nighat, P; Masood, A; Zargar, M. A and Whajat, A (2009). Polymorphism of GSTPI gene in esophageal cancers of Kashmiri Population. *Research Journal of Biotechnology*.4(2),ISSN:0972-6263, Indexed and **I.f=0.284**

Rasool Rafia; Kamili, A. N; **Ganai, B. A** and Masood, A.(2008). *In vitro* nodal budculture of *Prunella vulgaris*L.An important medicinal plant of Kashmir Himalaya. *J.Himalayan Ecolo. Sustain. Dev*.3:115-122.ISSN 0973-7502

Rafiq, S.K; **Ganai, B.A** and Bhat, G.A. (2008). Impact of automobile emissions on productivity of *Crocus*

sativus L. *International Journal of Environmental Research*, (Tehran). 2 (2) 371-376. **I.F :1.6** ISSN: 1735-6865 EISSN: 2008-2304.

Ashok Channa, Mohd Yousuf , **Ganai, B. A** and Showkat. A (2008). Qualitative Estimation and activity of digestive enzymes in digestive tract of *Schizothorax esocinus* (Heckel). *Indian Journal of Applied and Pure Biology*. **23**(1)99-101. ISSN: 0970-2091.

DAR, A. A; **Ganai, B. A** and Sheikh K. A (2008). Effect of aqueous sulphur dioxide on *Rumex hestata* *Journal of Industrial pollution control*-1. 1-8.(ISSN 0970-2083)

Ganai, B. A ; Masood, A and Zargar, M. A. (2006). Enzyme (sulfite oxidase) kinetics and determination of its activation energy from *Malvasylvestris*. *Journal of Industrial Pollution control*. **22**(I):75 -80. (ISSN 0970-2083)

Ganai, B. A ; Q. Nowsheen; A. Masood; M.A Zargar, and Javid, I.Bhat. (2007). Effect of sulfur dioxide on *Malvasylvestris*. *Journal of Research and Development* **7**.19- 24. ISSN 0972-5407.

Ganai, B. A ; Masood, A and Zargar, M. A. (2006). Detoxifying role of sulfite oxidase and its characterization from various sources; *Asian Journal of Microbiology, Biotechnology and Environmental Science*. **7** (4); 891-894. ISSN: 09723005 and H index 7

Iqbal. J; **Ganai, B. A**; Masood, A(1998). Evaluation of vegetation for sulfur dioxide resistance *Plant Physiology and Biochemistry* **25** (1): 56 -61. ISSN: 0981-9428, **I.F=2.4**.

Ganai, B. A; Masood, A and Baig, M. A (1997). Isolation, Purification and characterization of sulfite oxidase from (*Malva sylvestris*) *Phytochemistry*. **45**(5), 879-880. ISSN:0031-9422. **I.F=3.15**, Imprint: ELSEVIER

Books / Monographs Published:

Analytical Biochemistry. **Ganai, B. A**; Masood, A. and Zargar, M. A. (2000). Valley Book House Srinagar, Kashmir, ISBN 81- 86592-08-3.

Experimental Biochemistry. **Ganai, B. A**, Masood, A. and Zargar, M. A. (2005). Kumar Publications New Delhi. ISBN 81-8156-024-5

Comprehensive Biochemistry Vol-I. Ganai et al. (2009). Book enclave Jaipur, India. ISBN 8181522486, 978-8181522481

MEDICINAL AND AROMATIC PLANTS FROM KASHMIR HIMALAYAS [Perfect] Akbar Masood; Seema Akbar; Anwar Masood and **Bashir Ganai** (Published in Germany). 2010 ISBN 978-8423-2463-3

In vitro Propagation of *Artemisia amygdalina* and its Gene Polymorphism., Mubashir Quyoom; **Bashir Ganai**, Azra N Kamili, Lamberts Academic publishing, Germany, 2011. ISBN 978-3-8465-9619-7

Euroyleferox: An aquatic medicinal plant of Kashmir valley. Lamberts publishing house Book on Demand, Germany, 2011. ISBN-10: 3845430214 ISBN-13: 978-3845430218

Environmental Studies: Safe Environment. Suhaib Bandh, Azra Kamili and **Bashir Ganai**, Lambert Academic publishing, Germany, 2011. ISBN: 978-3-8465-4553-9.

Antimicrobial and antioxidant activity of a Medicinal Plant. A Biochemical Evaluation o *Elsholtzia densa*. Rabia Hamid; **Bashir Ahmad Ganai** and Misba Khan)Lambert Academic Publishing Germany.(2011) ISBN:978-3-3228-2

Other Assignments:

Extended help in Teaching in

- Department of Clinical Biochemistry
- Department of Home science.
- Department of Pharmacy.

Extended help in research programmes to various departments of the University

- Department of Clinical Biochemistry
- Department of Home science.
- Department of Botany
- Department of Zoology
- CORD
- Environmental sciences
- Department of food Sciences.

Evaluation, Paper setting, and Examiners to various Departments continuously, since 2004.

Interviews of various positions in university and outside university.

Chaired the scientific sessions in various conferences

- 6th science congress J&K, Dec,2010.
- One day seminar on Cancer 4th feb, 2011.
- National conference in S.P College Oct 2-3rd 2011.
- International conference on Environment, Genes Health and Diseases, In Bharityar university, Coimbatore 9-11 Dec, 2011.
- National Conference, held in Baramati, T.C college, Pune, 3-5 Feb, 2012.
- 8th J&K Science congress, 17-19 sept.,2012, Session Biochemistry and Biotech/Molecular biology.

Invited Lectures

- Regular lectures delivered in Refresher courses in Staff academic college, Kashmir university since, 2008.
-
- International conference on Environment, Genes, Health and Diseases, In Bharityar University, Coimbatore 9-11 Dec, 2011.
-
- National Seminar on “ Advances in Biosciences” 12th June 2012, Organized by Faculty of Bioscience, Amar Singh College Srinagar.
- Delivered a lecture in Academic Staff college on occasion of refresher course in Women’s study,trends in modern medicines.
- Delivered a lead lecture titled anti-oxidant and anti-proliferative potential of *Gentiana kurroo* in institute of Science Mumbai on 14th Dec.2012 on an event of National

conference on “ Role of Biotechnology In conservation and sustainable use of Medicinal plants”.

- Delivered a lead lecture titled advances in medicinal plant research and anti-diabetic activities of *Erumerus himaliacus* in Modi institute of Science and Technology Kota Rajasthan on an event of 22nd APSI Scientists meet 2013 and National conference on “ Sustainable utilization of plants for Millennium development”.
- Delivered a lecture on applications of spectroscopy in Government degree college Pulwama, DST sponsored on 16th Dec,2013.
- Live T,V Programme about my life and career, on D Srinagar on 7th Jan 2014.
- Radio programme about environment related crisis in Jammu and Kashmir on the eve of Earths day on 2nd Feb,2014.
- Live T,V Programme: Discussion about “Environmental concerns and law” April,2014.
- Delivered lectures in Bahba Gulam Shah University on Enzymes and Biotechniques, on 20-25th April 2014.
- Delivered lectures to Academic Staff College (K.U) in refresher Course on Disaster Management 6th August.2014
- Delivered lectures to Academic Staff College (K.U) in orientation Course on Islamic medicinal Plants 2nd August. 2014.
- Delivered lectures in Baba Gulam Shah university on Bioprospect Engineering on August 2014.

Declaration:

I hereby declare that the above details furnished are true to the best of my knowledge



Prof. Bashir A. Ganai