

Prof. Dr. Muhammad Ali (SI, TI)

M.Sc. (PU) PhD (UK), Post Doc (USA)
Fellow Pakistan Academy of Sciences



Vice Chancellor, University of the Punjab, Lahore 54590

1. Personal Data

Full Name	Prof. Dr. Muhammad Ali (SI, TI)
Fathers Name	Syed Sultan Shah
Date of Birth	05-11-1964
Nationality	Pakistani
Place of Birth	Chiniot, Pakistan

Present Address

Vice Chancellor University of the Punjab, Lahore 54590

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2. Initiative Taken

- Construction of the building of Centre for Undergraduate Studies (125,000 sq. Ft.).
- Opening of 6 new disciplines of BS 4 year program in Arts and Social Sciences i.e. Sociology, Psychology, Philosophy, Education, Economics and English along with 6 disciplines of Science i.e. Physics, Chemistry, Maths. Statistics, Zoology and Botany.
- Restructuring of the Transport System
- Restructuring of the Department of Musicology
- Opening of the new BS 4 year and PhD program in Biotechnology
- Opening of the new MSc program in Sports Sciences
- Construction of the building of Institute of Molecular Biology and Biotechnology
- Opening of the new Biochemistry Department and Institute of Social Sciences
- Construction of new campus of GCUF Faisalabad. (in Progress)
- Establishment of Sub Campus of G.C University Faisalabad at Toba Tek Singh Estimated cost 1,000.00 million.
- Establishment of Sub Campus of G.C University Faisalabad at Jaranwala, Faisalabad, Estimated cost 1,000.00 million.
- Development of New Campus, Govt College University (GCUF), Faisalabad Phase II under PSDP HEC Estimated cost 557.870million.
- Provision of Academic and research facilities of Govt College University (GCUF), Faisalabad revised Allocation 432.794 than original 150.00 million.
- Establishment of campus of Government College University, Faisalabad at District Chiniot worth 1,918.55 million

- Constructed the Admin and services block with covered area of 42596 Sqft for community service
- Constructed Academic block for Texila Institute of Asian Civilizations with covered area 30072 Sqft and building of Management Sciences. 2019
- Promoted the sports activities in teachers and students by renovating the Gymnasium of the University.
- Build beautiful mosque with the collaboration of UAE Government in the Campus area.
- UK times ranked QAU among 600 best universities of the World in 2022
- QS Ranked QAU among 500 top university on the basis of research and academics in 2022 and 41 in research productivity and citations.
- Times Higher Education ranked QAU top University in Pakistan and 116th in Asia 2022
- Started new BS programs in Many disciplines
- Establishment of China Pakistan Joint Research Center (JPJRC) on earth sciences at QAU, Islamabad Project Cost: 7397.858 Million.
- Signed 300 MoUs (National and International) for academic collaboration and student exchange Programs
- Participated in 300 conferences as key note speaker, paper presentation and chaired sessions

3. Administrative Responsibilities:

- **Member and Secretary** Board of Studies in Zoology (1999-todate)
- **Deputy Director** Student Affairs (B.Z. University) (2001-2003)
- **Chairman**, Research and Planner Group, Bahauddin Zakariya University, Multan (2003-2005)
- **Resident Officer**, Bahauddin Zakariya University, Multan (2003-2006)
- **Chairman**, Transport Committee, Bahauddin Zakariya University, Multan (2004-2006)
- **Director**, Centre for Undergraduate Studies (2005-2008)
- **Registrar**, Bahauddin Zakariya University Multan. (w.e.f. 22-10-2011-till 10-12-2012)
- **Chairman**, Library Committee, Bahauddin Zakariya University, Multan (2010- 2013)
- **Director**, Institute of Molecular Biology and Biotechnology (2009-2014)
- **Convenor and Member** Board of Studies in Molecular Biology Biotechnology (2009-date)
- **Chairman** Sports Committee, Bahauddin Zakariya University, Multan (2009- 14)
- **Chairman Department of Sports Sciences** (Jan 2012 – December 2015)
- **Convenor and Member** Board of Studies in Sports Sciences (2009 till date)
- **Member** Board of Studies in Zoology Institute of pure and applied biology BZU Multan.
- **Chairman** Affiliation Committee, **BZU** since Jan 2014 to December 2015
- **Director ORIC** (Office of Research Innovation & Commercialization) since Jan 2014 to December 2014.
- **Patron in Chief** Pakistan Student Computer Society Congress 2015 24-26 April 2015.
- **Focal Person** 3rd International Computational Conference May 13-15, 2015, Islamabad.
- **Member PPSC Steering Committee** nominated as member steering committee (SC) on Pakistan panel on climate change from 10 March 2016 for three years.
- **Member Syndicate** of University of Engineering and Technology, Lahore as HEC nominee for period of two years w.e.f. 15-09-2015 to 14-09-2017.
- **Member Selection Board** of The Government Sadiq College Women University, Bahawalpur as Syndicate Nominee for a period of three years w.e.f. 28-09-2016 to 28-09-2019.
- **Member Selection Board** of University of Gujrat, Gujrat for a period of three years w.e.f. 17th March, 2015.

- **Member Syndicate** of University of Gujrat, Gujrat for a period of three years w.e.f. 15th April, 2015.
- **Member Syndicate** of The Government Sadiq College Women University, Bahawalpur.

- **Member Post Doctoral Fellowship Committee** by Punjab Higher education commission w.e.f 12-02-2016.
- **Chairman of the Board of Governors** National Institute of Pakistan Studies, QAU Campus, Islamabad
- **Chairman of the Board of Governors** National Institute of Psychology, QAU Campus,
- **Chairman of the Board of Governors** National Institute of Historical and Cultural Research,
- **Chairman of the Board of Governors** Area Study Centre, QAU Campus, Islamabad
- **Chairman of the Board of Governors** Centre of Excellence in Gender Studies, QAU Campus,
- **Member Syndicate** University of Azad Jammu Kashmir, Muzaffarabad.
- **Member Syndicate** Shaheed Zulfiqar Bhutto University, Islamabad.
- **Member** Vice Chancellor search committee
- **Member** cabinet committee for award of civil awards
- **Member Syndicate**, Shaheed Zulfiqar Ali Bhutto Medical University, PIMS, Islamabad.
- **Member Syndicate**, The University of Azad Jammu & Kashmir, Muzaffarabad, AJK
- **Member BoG**, International Islamic University, Islamabad
- **Member BoG**, National Police Academy, Islamabad
- **Member BoG**, Health Service Academy, Islamabad
- **Member BoG**, National Institute of Health, Islamabad
- **Member BoG**, School of Biological Sciences, University of the Punjab, Quaid-i-Azam Campus, Lahore
- **Member BoG**, Pakistan Institute of Engineering & Applied Sciences, Islamabad
- **Member Board of Studies**, School of Biological Sciences for MPhil/PhD Programs, University of the Punjab, Quaid-i-Azam Campus, Lahore
- Member of Awards Sub-Committee on Arts and Literature for recommendations of Pakistan Civil Awards-2018 Cabinet Division, Islamabad
- Member, Search Committee for recommendations for appointment of Vice Chancellor, Shaheed Zulfiqar Ali Bhutto Medical University, Islamabad
- Member, Steering/Technical Committee for Project Titled “Prime Minister Electric Wheelchair Scheme
- Served as **Vice Chancellor** GCUF from 18 December 2014- to 22nd November, 2018
- Additional charge **Vice Chancellor** University of Jhang 02 March 2016 for six months
- Vice Chancellor Quaid-e-Azam University, Islamabad from 23rd November, 2018 to 22-11-2022
- Pro/VC Bahauddin Zakariya University Multan from 22 February 2023
- VC Ghazi University, Dera Ghazi Khan from 1st December 2023 for 6 months
- Vice Chancellor Vice Chancellor University of the Punjab, Lahore 54590 since 23-09-2024
- Vice Chancellor Government College University, Lahore since 22 -10-2024

4. Awards & Honours

- Merit Scholarship MSc Zoology on Basis of BSc Examination (1985-1987)
- Overall merit distinction in MSc Zoology (1988)
- Central Overseas Training Scholarship (1995-1999)
- Fisheries Society of British Isles travel Grant (1997)
- Best Young Scientist in Europe Award in Italy (1997)
- Fisheries Society of British Isles travel Grant (1999)
- Star award 2000 (South Asia Publications)
- S&T Indigenous Scholarship Scheme- Selected Supervisor
- Nominated for Best University Teacher Award for 2001 given by University Grants Commission the basis of research and teaching quality assessment.
- Prof. Dr A.R. Shakoori Gold Medal (2002) given by Zoological Society of Pakistan
- Agha Hasan Ali Abidi Gold Medal (PAS/INFAQ Foundation Joint Award 2001), given by Pakistan Academy of Sciences along with Rs. 15000/ cash award.

- Best University Teacher Award for 2002 given by Higher Education Grants Commission with Rs. 40,000 cash prize on the basis of research and teaching quality assessment.
- Prof. Dr Mirza Azhar Beg Gold Medal (2004) given by Zoological Society of Pakistan
- Best University Teacher Award for 2005 given by Higher Education Grants Commission with Rs. 100,000 cash prize on the basis of research and teaching quality assessment.
- Farogh-e-Taleem Gold Medal Award 2011 given by Idara-e-Taleem Punjab, Lahore.
- Best University Teacher Award for 2011 given by Higher Education Grants Commission with Rs. 100,000 cash prize on the basis of research and teaching quality assessment.
- Research Productivity Award 2011 by Pakistan Council of Science and Technology, MOST, Islamabad.
- Research Productivity Award 2012 by Pakistan Council of Science and Technology, MOST, Islamabad with a Score Of 8.02.
- Won National Civil Award “Tamgha-e-Imtiaz” on 14th august 2015 by President of Islamic Republic of Pakistan.
- Paigham-e- Pakistan peace award 2017-19 by IIUI , Islamabad.
- Won National Civil Award “Sitar-e-Imtiaz” on 14th august 2022 by President of Islamic Republic of Pakistan.

5. Fellowships

- Fisheries Society of British Isles
- Biological Society of Pakistan
- Life fellow Fisheries Society of Pakistan
- Life fellow Zoological Society of Pakistan
- Life fellow Biotechnology Society of Pakistan
- Fellow of Pakistan academy of Science, Pakistan
- Chairman Applied Zoological Society of Pakistan.

6. Projects and Grants

- Interspecific comparison of bioenergetics of compensatory growth in fish (Funded by Royal Society of London and Chinese Academy of Sciences).
- Studies on the seasonal variations in species diversity, abundance, health and composition of fish communities of the lentic habitat around Indus River at Ghazi Ghat. (Funded by Bahauddin Zakariya University Multan). Rs. 50,000/-
- Studies in Biodiversity and Water Quality of Pond Area of Indus River at Ghazi Ghat (Funded by University Grants Commission Pakistan). Rs. 200,000/-
- Training for College Teachers of Southern Punjab” won grant of Rs. 234,590/- from HEC.
- Workshop on “ National Core Group in Life Sciences” Rs. 143,000/-
- Effect of feed cycling on growth, body composition, RNA/DNA ratio and elemental composition of commercial food fishes of Pakistan (Funded by Bahauddin Zakariya University Multan). Rs, 80,000/-
- Member of a team which won grant of Rs. 38 million for the establishment of Centre for Undergraduate Studies from HEC (completed)
- Life Sciences Project Rs, 1,028,248/-
- Comparison of the water quality, fish diversity and fish health of river Ravi before and after Sindhnai head works (Funded by Bahauddin Zakariya University Multan). Rs. 100,000/-

- Aquatic Pollution and Biodiversity of River Chenab, Pakistan (Funded by University Grants Commission Pakistan). Rs. 100,000/-
- Member of a team which won grant of Rs. 38 million for the establishment of Institute of Biotechnology from HEC.

- Comparison of water quality and biodiversity of river Jhelum, Chenab before and after their union site near district Jhang. Rs. 1,25000
- Fish diversity and body composition of Suleman mountain range, DG Khan Pakistan. Rs 1,25000
- Breeding for impact of different temperatures on BT cruciferous crops and development of resistance to insecticides in *Plutella xylostella* Rs. 1,479,000/- Pakistan Science Foundation
- Role of nucleopolyhedrovirus in management of cotton bollworm *Helicoverpa armigera hubner* (Rs. 2,094,264/-) Pakistan Science Foundation.
- Study of Genetic Diversity of fishes of Indus River (Punjab) Pakistan using molecular markers” Competitive research grant of worth 6845614/- PKR NRPU 2016-17 by HEC, Pakistan.
- Development of potent and selective tumor stromal cell interaction modulators from natural products as lead structures Funded by: Higher Education Commission (HEC) under National University Research Program. 2017. (5.4 Million PKRs

International Grant

- Study of Gene Identification for Oculocutaneous Albinism (OCA), Funded by Cincinnati Children’s Hospital Medical Centre 3333 Burnet Avenue, Cincinnati, OH. Started in 2012 for five years (Rs. 1 Million over five years and 7200\$ per year for 5 years total of 36,000\$ worth approximate
- International/British Council Polymers-based smart bandages for wound healing Team Member £10,000
- International/Millipore Sigma USA Rapid and reliable testing of two bioinks Team Member \$120,000 (£ 100,000)
- Establishment of China Pakistan Joint Research Centre (JPJRC) on earth sciences at QAU, Islamabad Project Team Leader Cost: 7397.858 Million.

7. Ph.D. & M.Phil./Ms Students Completed

No.	Name of Student	Title of Thesis
1	Kashif Umer (2012)	Effect of supplementary feed on the body composition and growth of Rohu (<i>Labeo rohita</i>) and Silver carp (<i>Hypophthalmichthys molitrix</i>) in Pakistan
2	Abdul Latif (2014)	Toxicological, physiological and histopathological interactions in freshwater Cyprinids fish (<i>Labeo rohita</i>) of Southern Punjab Pakistan.”
3	Shahid Iqbal (2015)	Effect of Creatine supplementation on learning memory formation.
4	Qurat ul Ain (2015)	Effect of GABA b-receptor antagonistic CGP Family on learning and memory formation in albino mouse following neonatal hypoxia ischemia insult.
5	Nabila Tariq (2015)	Exploration of molecular machinery regulating congenital albinism in humans
6	Rehana Iqbal (2015)	Effect of Protein (from different sources) on Growth and Body composition of <i>Cirrhinus mrigala</i>
7	Muhammad Latif (2016)	Biology and Body Composition of <i>Channa murulus</i> and <i>Channa striatus</i> from two natural habitats of Pakistan.
8	Mureed Hussain (2016)	Molecular and serological approach for the detection of <i>trypanosome</i> sp. In blood samples of equines and camel from southern Punjab. (Pakistan).

9	Sajjad Hussain (2016)	Assessment and Conservation of Biodiversity of Suleman mountain Rang D. G Khan (Pakistan) with special reference on Ichthyofauna.
10	Sairah Yousaf (2017)	Genetic & Molecular evaluations of pigmentation disorders mechanisms.
11	Sidra (2017)	Laboratory scaling up for substrate fermenting potential of lipases production by a newly isolated fungal hyperproducer (<i>Aspergillus niger</i>) and its mutant derivative
12	Qazi Adnan (2018)	Pesticide residues, Biodiversity and Riverine Ecosystem: A Case Study of River Sutlej.
13	Asma Gulnaz (2018)	Association of host Genetic Factors with susceptibility to and resistance against <i>Mycobacterium tuberculosis</i> in tuberculosis patients.
14	Riffat Yasin (2018)	Study on the effects of <i>Lactobacillus acidiphillus</i> and <i>Saccromyces cerevisiae</i> on Hemato-Biochemical, Physiological, stress resistance and growth performance of gift tilapia(<i>Oreochromus mosenbiques</i>)
15	Fatima Batool. (2019)	Exploring the natural colorant and antimicrobial potential of vegetables residues for textile processing
16	Nabila Farah (2019)	Comparative Efficiency of Biological & Biomegnetic Seeds Treatment Upon Vigor & Metabolism of <i>Momoraredica charantia</i>
17	Fahad Shafiq (2019)	Induction of salt tolerant wheat (<i>Triticum aestivum</i> L.) through exogenous applications of polyhydroxy fullerence nanoparticles.
18	Sadia Zafar (2019)	Grain yield and nutritional quality of commercial maize, Geno types, aspergillys exposure and aflatoxins containinations
19	Ali Ahmed Khan (2020)	Exploring the natural dye yielding potential of cereals' residue for textile industry: Pigment analysis and antimicrobial activity
20	Kamran Bashir (2020)	Production and characterization of triacylglycerol acyl-hydrolase (TAGA) from an indigenous hyperproducer <i>Aspergillus</i> sp. and its best derived mutant.
21	Mehwish Iftikhar(2020)	Study on Nickel Nanoparticles induced Toxicity in Spleen and Gonads of Male Sprague Dawley Rats and Ameliorative Effects of <i>Moringa oleifera</i> and <i>Cinnamomum cassia</i>
22	Nagina Rehman (2020)	Investigation of Zinc Oxide Nanoparticles (ZnO-NPs) Induced Toxicity In Male Sprague Dawley Rats and Antagonistic Effect of <i>Allium sativum</i> and <i>Camellia sinensis</i>
23	Muhammad Asif Latif (2020)	TOXICITY EVALUTION OF TITANIUM DIOXIDE NANOPARTICLES AND REMEDIAL EFFECT OF <i>Cinnamomum cassia</i> AND <i>Azadirachta indica</i> IN THE BRAIN AND TESTIS OF SPRAGUE DAWLEY RATS
24	Kokab Ghazal (2020)	The Evaluation of CuO-NPs Induced Toxicity and the Curative Effects of <i>Moringa oleifera</i> , <i>Myristica fragrance</i> and <i>Trigonella foenum-graecum</i> in <i>Oreochromis mossambicus</i>
25	Muhammad Noman (2020)	Genome scan for identification of molecular determinants of hereditary hearing loss in Pakistani family.
26	Col. Abdul Basit 2021	Different Molecular Techniques to seek Sero Prevalence of Equine Piroplasmosis and its relation with health and reproductive efficiency.
27	Allah Dita Abid 2022	Management of American Bollworm <i>Helicoverpa armigera</i> (Hubner) on cotton through Nucleopolyhedroviruses (NPV).
28	Anwar ul Haq (2022)	Biochemical Evaluation of Rock Phosphate in Layer Chicks

29	Muhammad Farrukh Tahir (2022)	Genome scan of mild to moderate hereditary hearing loss in Pakistani population
30	Aimen Sajjad (2022)	Genetic analysis of family sliluradae using molecular markers from different reverine population of Punjab, Pakistan.
31	Umair Mehmood (2022)	Genetic & Molecular Basis of Non-syndromic Hereditary Hearing in Pakistani Population
32	Sajid Raza Khan (2022)	Estimation of Antioxidant responses of Broccoli (<i>Brassica oleracea</i>) and oxidative response of ZnO particles on growth, serological and haematological alterations in mono sex Nile Tilapia (<i>Tilapia niloticus</i>)
33	Muhammad Ajmal (2022)	Physiological Response yield and grain quality of maize (<i>Zea Maiz L.</i>) genotypes under water deficit environment
34	Muhammad Farrukh Tahir (2022)	Genom scan of mild to moderate hereditary hearing loss in Pakistani population
35	Irum Badshah Saleem	Deciphering the molecular determinants of Heriditery and progressive hearing loss.
36	Zara Naeem (2023)	Determination of optimum dietary Protein requirement, Ammonia tolrence and biodiversity of potential aquaculture species <i>Clarias batrachus</i> in Pakistan
37	Syeda Farishte (2023)	Emergence of Azithromycin resistance in extensively drug resistance <i>Salmonella typhi</i> : an impending threat of pan oral drug resistance
38	M. Khalid (2023)	Evaluation of Oxidative stress due to MgO Nanoparticle and antioxidant response of ripened banana (<i>Musa acuminata</i>) on body composition parameters, serological and haematological alterations in Rahu (<i>Labeo rohita</i>)
39	M. Ashraf (2024)	Molecular Characterization of rare congenital eye disorders in families from southern Punjab.

M.P hil. Students Supervised and Awarded= 100

8. List of Publications and Books

- Book entitled "Biochemistry of Drug Resistance" in progress
- Zia, K. M. Zuber, M. **Ali, M.** (2016). Editors "Algae Based Polymers, Blends and Composites" Elsevier Science & Technology, Elsevier Ltd
- Hussain, S.S. and **Ali, M.** (2014). "Legumes and MicroRNA" In Legumes under Environmental Stress: Yield, Improvement and Adaptation, edited by Pervaiz Ahmad and Mohamed Azoozor. John Wiley & Sons, Ltd., of The Atrium, Southern Gate, Chichester, West Sussex PO19 8SQ. 35 print pages.
- Manzoor, H., Athar, H.U.R., Rasul, S., Anjum, M., ureshi, M. K., Bashir, N., **Ali, M.**, (2016) "Avenue for improving drought tolerance in crops by ABA regulation, In: water stress and crop plants: A sustainable approach (ed. P.Ahmed), John Wiley and Sons, Ltd, Chichester, UK. Doi: 10.1002/97811199054450 Ch 13.
- Chapter 08: Alginate Based Bionanocomposites, Book Title: BioNanoComposites. Book Sub-title: Green Synthesis and Applications by 'Elsevier' Elsevier Science & Technology Books Academic Press Butterworth-Heinemann Wood head Publishing William Andrew Publishing (incorporating PDL and Noyes) [Science Direct](#).

PUBLICATIONS

Total Publication	=	232
With impact factor	=	220
HEC Recognized	=	021
Total Impact Factor	=	500.525

1. Naeem, Z., Zubairi, A., **Ali, M.**, Naeem, M., (2023) Effect of body size and condition factor on proximate composition of claus batracus under different conditions of ammonia. International Journal of Agriculture and Natural sciences. 20(6 2022=2040.
IF: 1.737
2. Naeem, Z., Zubairi, A., **Ali, M.**, Naeem, M., (2023) Toxic effect of ammonia exposure on growth and haematological response on *Claris batrachus*, Applied ecology and environmental research 21(6 5055-5057.
IF: 0.210
3. Hussain, H., Azam, M. S., Hussain, Z.M., Rehman, U.S., Iqbal, R., and Ali, M. (2022). External Morphometric Analysis of Wild *Schizothorax plagiostomus* in Relation to Body Size and Condition Factor from Pakistan. Egyptian Journal of Aquatic Biology & Fisheries. ISSN 1110 – 6131 Vol. 25(6) www.ejabf.journals.ekb.eg
IF: 0.737
4. Hussain, H., Azam, M. S., Hussain, Z.M., Rehman, U.S., Iqbal, R., and Ali, M. (2021). Length-weight and length-length Relationships of Six Cyprinid fish species from Sulaeman Mountain Range, Dera Ghazi Khan Region, and Pakistan. (Short communication Egyptian Journal of Aquatic Biology & Fisheries. ISSN 1110 – 6131 Vol. 25(6): www.ejabf.journals.ekb.eg
IF: 0.737
5. Nabila, Ahmed, M., Ali, M., Zafar, M., Sultana, S., Majeed, S., Yaseen, G., And Ahmed, S., 2021. Playnological diversity of melliferous flora around apiaries from district Mardan Khabar Phaktoon khah- Pakistan. The botanical review <https://doi.org/10.1007/s1229-021-09268-w>
IF: 3.882
6. Mehmood, M., Bukhari, A.S., Ali, M., Ahmed, M.Z., And Riazuddin, S., (2021). Identification of hearing loss-associated variants of PTPRQ, MYO154, and SIRINB6 in Pakistani families, Biomed Research International, <http://doi.org/10.1155/2021/5584>
IF: 3.286
7. Noman, M., Bukhari, A.S., Rehman, S., Qasim, M., **Ali, M.**, Riazuddin, S., Ahmed, M.Z., (2020) Identification and computational analysis of UHS1C, and SLC26A4 variants in Pakistani families with prelingual hearing loss, Molecular Biology Reports, <Http://doi.org/10.1007/s11033-020-056016>.
IF: 2.742
8. Akram, R., Iqbal, R., Hussain, R., Jabeen, F., **Ali, M.**, (2020). Evaluation of Oxidative stress, antioxidant enzymes and genotoxic potential of bisphenol A in fresh water bighead carp (*Aristichthys nobilis*) fish at low concentrations. Environmental Pollution (Online) <https://doi.org/10.1016/j.envpol.2020.115896>.
IF: 9.988
9. Adem. S., Eyupoglu, V., Sarfraz, I., Rasul, A., Zahoor, F.A. **Ali, M.**, Abdulla, M., Ibrahim, M. I., Elfiky, A (2020). Caffeic acid derivatives (CAFDs) as an inhibitors of SARS-CoV-2: CAFDs based functional food as potential alternatives approach to combat COVID-19. Phytomedicines (Preprints).
IF: 6.656
10. Adem, S. Eyupoglu, V. Sarfraz, I. Rasul, A. **Ali, M.** Identification of Potent COVID-19 Main Protease (Mpro) Inhibitors from Natural Polyphenols: An in Silico Strategy Unveils a Hope against CORONA. *Preprints* 2020, 2020030333 (doi: 10.20944/preprints2020).
11. Naz, G. A. **Ali, M.**, Aslam, A. M., Khan, H. A., Manzoor, H., Iqbal, R., Shehzad, A.M., Ahmed, S., Shaheen, Z., Rasul, S., (2019). Influence of single nucleotide polymorphism in the IFNG towards susceptibility to tuberculosis in Pakistani Population. Annals of Human Genetics. PP 1–8.
IF: 2.18
12. Gulnaz. A., R. Iqbal, Rasul, S., **Ali, M.** (2019). Multi-drug resistant Tuberculosis: Prevalence and Risk Factors in Districts of southern Punjab, Pakistan. Trop J. Pharm R
IF: 0.7
13. Rashid, M., Yousaf, S., Sheikh, A.S., Sajid, Z., Shabir, S.A., Kausar, S., **Ali, M.**, Bukhari, A.S., Ali, M., Qasim, M., Riazuddin, S., Ahmed, M.Z., (2019). Identification and frequencies of variants in CYP1B1 causing primary congenital glaucoma in Pakistan. Molecular vision. <http://www.molvis.org/v25/144>.

IF: 2.367

14. GhulamHussain, Haseeb Anwar, Azhar Rasul, Ali Imran, Muhammad Qasim, ShamailaZafar, Syed KashifShahid Kamran, AroonaRazzaq, Nimra Aziz, Waseem Ahmad, AsgharShabbir, JavedIqbal, ShahidMahmoodBaig, **Muhammad Ali**, Jose-Luis Gonzalez de Aguilar, Tao Sun, Lipids as biomarkers of brain diseases, Critical Reviews in Food Science and Nutrition, 2018;

IF: 11.208

15. Iqra Sarfraz, Azhar Rasul, Ghulam Hussain, Syed Makhdoom Hussain, Farhat Jabeen, ZelihaSelamoglu, **Muhammad Ali**, Malic Enzyme 2 as a Potential Therapeutic Drug Target for Cancer, IUBMB Life, 2018; 70(11):1076-1083.

IF: 4.709

16. NaseemAkhtar, IqraSarfraz, Azhar Rasul,GhulamHussain, Muhammad KashifZahoor, GhazalaKaukab, AmmaraRiaz, ZelihaSelamoglu, **Muhammad Ali**,Osthole: A Multifunctional Natural Compound with Potential Anticancer, Antioxidant and Anti-inflammatory Activities. Journal of Integrative Medicine (JIM), 2018

IF: 3.951.

17. TahiraYounis, Azhar Rasul,FaizaJabeen, GhulamHussain, JaveriaAltaf, IqraSarfraz, **Muhammad Ali**, Ameliorating role of methanolic leaves extract of *Fraxinus xanthoxyloides* against CC14-challenged nephrotoxicity in rats. Pakistan Journal of Pharmaceutical Sciences (PJPS). 2018; 31(4):1475-1484.

IF: 0.863

18. Maria Javed, Azhar Rasul,GhulamHussain, FarhatJabeen, Bilal Rasool, AmmaraRiaz, GhazalaKaukab, **Muhammad Ali**, Harmine and its derivatives: Biological activities and therapeutic potential in human diseases. Bangladesh Journal of Pharmacology (BJP). 2018; 13: 203-213.

IF: 1.103.

19. Farah, N., Bukhari, A.S., **Ali, M.**, Naqvi, R. S. A., Mehmood, S., (2018). Phenolic acid profiling and antiglycation studies of leaf and fruit extracts of tyrosine primed *Momordica charantia* seeds for possible treatment of diabetes mellitus. Pak. J. Pharm Sci, pp. 2667-2672.

IF: 0.863

20. GhulamHussain, Azhar Rasul, Haseeb Anwar, Muhammad Umar Sohail, AroonaRazzaq, Nimra Aziz, AsgharShabbir, Longbin Zhang, Tao Sun. **Muhammad Ali**. Role of plant-derived flavonoids and their mechanism attenuation in Alzheimer's and Parkinson's diseases: An update of recent data. Molecules. 2018; 23, 814, doi: 10.3390/molecules23040814.

IF: 4.927

21. GhulamHussain, Azhar Rasul,Haseeb Anwar, Nimra Aziz, AroonaRazzaq, Wei Wei, **Muhammad Ali**, Jiang Li, Xiaomeng Li, Role of plant derived alkaloids and their mechanism in neurodegenerative disorders. International Journal of Biological Sciences. 2018; 14(3), 341-357.

IF: 10.75

22. Bushra Nageen, Iqra Sarfraz, Azhar Rasul, Ghulam Hussain, Fariha Rukhsar, Somia Irshad, Ammara Riaz, Zeliha Selamoglu, **Muhammad Ali**, Eupatilin: a natural pharmacologically-active flavone compound with its wide-ranging applications. Journal of Asian Natural Product Research (JANPR), 2018.

IF: 1.61

23. Muhammad Zafar, IqraSarfraz, Azhar Rasul,FaizaJabeen, KhizarSamiullah, GhulamHussain, and **Muhammad Ali**. Tubeimoside-1, triterpenoidsaponin, as a potential natural cancer killer. Natural Product Communication. 2018; 13(5), 643-650.

IF: 1.446

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