

**Dr. Mohammad Perwaiz Iqbal**  
**Professor of Biochemistry,**  
**Director, FHS-PhD Program,**  
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## **Publications**

**To date, 151 publications (total impact factor = >265)**

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### **2016**

1. **Iqbal MP**, Iqbal K, Tareen AS, Parveen S, Mehboobali N, Haider G, Iqbal SP. Polymorphisms in MTHFR, MS and CBS genes and premature acute myocardial infarction in a Pakistani population. *Pak. J. Pharm. Sci.*, 2016; 29(6):1901-1906.
2. Anwar S, **Iqbal MP**, Azam I, Habib A, Bhutta S, Soofi SB, Bhutta ZA. Urban and rural comparison of vitamin D status in Pakistani pregnant women and neonates. *J Obstet Gynaecol.* 2016; 36(3):318-23.

### **2015**

3. Iqbal R, Iqbal SP, Yakub M, Tareen AK, **Iqbal MP**. Major dietary patterns and risk of acute myocardial infarction in young, urban Pakistani population. *Pak J Med Sci.* 2015; 31(5):1213-8
4. **Iqbal MP**. What ails medical research in Pakistan? Role of institutions. *Pak J Med Sci* 2015; 31(6):1287-1289
5. Mehboobali N, Iqbal SP, **Iqbal MP**. High prevalence of vitamin D deficiency and insufficiency in a low income peri-urban community in Karachi. *J Pak Med Assoc.* 2015; 65(9):946-59.
6. Jilani T, Azam I, Moiz B, Mehboobali N, **Iqbal MP**. Positive association of vitamin E supplementation with improved hemoglobin levels in mildly anemic healthy Pakistani adults. *Int J Vitam Nutr Res.* 2015; 85(1-2): 39-49
7. **Iqbal, MP**, Ali AA, Mehboobali N, Iqbal K. Lack of association between MTHFR gene polymorphisms and response to methotrexate treatment in Pakistani patients with rheumatoid arthritis. *Pak J. Pharm. Sci.* 2015; 28(5): 1789-92
8. Yousuf FA, **Iqbal MP**. Apolipoprotein E (Apo E) gene polymorphism and coronary heart disease in Asian populations. *Pak J Pharm Sci.* 2015; 28(4):1439-44.
9. **Iqbal, MP**. Recent challenges of conducting research in Pakistan. *Pak. J. Biochem. Mol. Biol.* 48(1):1-2, 2015

10. Mehboobali N, Moti N, Ambreen, **Iqbal MP**. Lack of association between apolipoprotein E polymorphism and acute myocardial infarction in a Pakistani population. *Pakistan J. Zool.* 2015; 47(1):263-268

## 2014

11. **Iqbal MP**, Burney IA. Low doses of colony-stimulating factors lead to resolution of neutropenia in cancer patients through increased levels of dihydrofolate reductase. *Pak J Pharm Sci.* 2014;27(2):245-8.
12. **Iqbal, MP.**: Trans fatty acids – A risk factor for cardiovascular disease. *Pak. J. Med. Sci.* 2014; 30(1).

## 2013

13. **Iqbal MP**, Mehboobali N, Azam I, Tareen AK. Association of alkaline phosphatase with acute myocardial infarction in a population with high prevalence of hypovitaminosis D. *Clin Chim Acta.* 2013;425C:192-5
14. **Iqbal MP**, Mehboobali N, Tareen AS, Yakub M, Iqbal SP, Iqbal K, Haider G. Association of body iron status with the risk of premature acute myocardial infarction in a Pakistani population. *PLoS One.* 2013;8(6):e67981

## 2012

15. **Iqbal MP**, Mehboobali N, Haider G, Pervez S, Azam I. Effects of betel nut on cardiovascular risk factors in a rat model. *BMC Cardiovasc Disord.* 2012;12:94.
16. **Iqbal MP**. Lead pollution - a risk factor for cardiovascular disease in Asian developing countries. *Pak J Pharm Sci.* 2012; 25(1):289-94. Review.
17. **Iqbal, M.P.**: Economic development by reducing the burden of cardiovascular disease in South Asia. *Pak. J. Med. Sci* 2012; 28(3): 564-566,
18. Rasool S, Abid S, **Iqbal MP**, Mehboobali N, Haider G, Jafri W. Relationship between vitamin B12, folate and homocysteine levels and H. pylori infection in patients with functional dyspepsia: a cross-section study. *BMC Res Notes.* 2012; 5:206.
19. Yakub M, Moti N, Parveen S, Chaudhry B, Azam I, **Iqbal MP**. Polymorphisms in MTHFR, MS and CBS genes and homocysteine levels in a Pakistani population. *PLoS One.* 2012; 7(3):e33222.

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20. **Iqbal, M.P.**, Mehmood, S., Parveen, S., Mehboobali, N., Haider, G.: Polymorphisms in methylenetetrahydrofolate reductase gene are not associated with acute myocardial infarction in a Pakistani population. *Pak. J. Biochem. Mol. Biol.* 2011; 44(1): 32-35
21. **Iqbal, M.P.**, Yakub, M.: High blood lead levels compromise the total antioxidant status of normal healthy adults in a population in Karachi. *Pak. J. Med. Sci.* 2011; 27(2):371-374
22. Jilani T, **Iqbal MP**. Does vitamin E have a role in treatment and prevention of anemia? *Pak J Pharm Sci.* 2011;24(2):237-42.

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23. Jilani, T., **Iqbal, M.P.**: Risk associated with mild anemia in apparently healthy individuals:

How to combat anemia in general population. *Pak. J. Med. Sci.* 2010; 26 (4): 990-994.

24. Yakub M, **Iqbal MP**, Iqbal R. Dietary patterns are associated with hyperhomocysteinemia in an urban Pakistani population. *J Nutr.* 2010; 140(7):1261-6..
25. Yakub M, **Iqbal MP**. Association of blood lead (Pb) and plasma homocysteine: a cross sectional survey in Karachi, Pakistan. *PLoS One.* 2010; 21;5(7):e11706.
26. Yakub, M., **Iqbal, M.P.**, Kakepoto, G.N., Rafique, Memon, Y., Azam, I., Mehboobali, N., Parveen, S., Haider, G.: High prevalence of mild hyperhomocysteinemia and folate, B12 and B6 deficiencies in an urban population in Karachi, Pakistan. *Pak. J. Med. Sci.* 2010; 26(4): 923-29.

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27. Ahmed, M., **Iqbal, M. P.**, Baig, J. A., Rehman, R., Qureshi A.A. Methotrexate suppresses substance P and CGRP in Adjuvant Arthritis in rats. *J. Chem. Soc. Pak.* 2009; 31(1):162-168.
28. Bajaj DR, Mahesar SM, Devrajani BR, **Iqbal MP**. Lipid profile in patients with psoriasis presenting at Liaquat University Hospital Hyderabad. *J Pak Med Assoc.* 2009; 59(8):512-5.
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31. Kazmi KA, Iqbal SP, Bakr A, **Iqbal MP**. Admission creatine kinase as a prognostic marker in acute myocardial infarction. *J Pak Med Assoc.* 2009; 59(12):819-22.
32. Yakub, M., **Iqbal, M. P.**, Mehboobali, N., Haider, G., Azam, I.: Blood lead and plasma homocysteine in petrol pump workers in Karachi: Role of vitamins B6, B12, folate and C. *J. Chem. Soc. Pak.* 2009; 31(2):319-323.

## 2008

33. Bajaj DR, **Iqbal MP**. Generalized eruptive histiocytosis presenting with warty lesions on face. *J Coll Physicians Surg Pak.* 2008; 18(2):110-2.
34. **Iqbal MP**, Sharif HM, Mehboobali N, Yousuf FA, Khan AH, Sellke FW. N-acetyl- $\beta$ -D-glucosaminidase and inflammatory response after cardiopulmonary bypass. *J Coll Physicians Surg Pak.* 2008; 18(2):74-7.
35. Jilani T, Moiz B, **Iqbal MP**. Vitamin E supplementation enhances hemoglobin and erythropoietin levels in mildly anemic adults. *Acta Haematol.* 2008; 119(1):45-7.
36. Masood, S.H., **Iqbal, M. P.**: Prevalence of vitamin D deficiency in South Asia. *Pak J. Med. Sci.* 2008; 24(6):891-97.

37. Mehboobali N, **Iqbal MP**. A simple micro method for determination of plasma levels of alpha tocopherol (Vitamin E) in Pakistani normal adults. *Pak J Pharm Sci.* 2008; 21(4):361-5.

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41. Saeed, **M.**, **Iqbal, M. P.**, Yousuf, F. A., Parveen, S., Shafiq, M., Sajid, J., Frossard, P. M.: Interactions and associations of paraoxonase gene cluster polymorphisms with myocardial infarction in a Pakistani population. *Clin. Genet.* 2007; 71:238-244.

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50. **Iqbal MP**, Fatima T, Parveen S, Yousuf FA, Shafiq M, Mehboobali N, Khan AH, Azam I, Frossard PM. Lack of association of methylenetetrahydrofolate reductase 677C>T mutation with coronary artery disease in a Pakistani population. *J Mol Genet Med.* 2005; 1(1):26-32.

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### ***International Proceedings***

1. **Iqbal, M.P.:** Lead pollution – a risk to human health; an Asian perspective. *Proceedings of the International Symposia on “One Green Asia” of the Association of Academies of Sciences in Asia* , Korean Academy of Science and Technology, Seoul, pp. 117-122, 2010.
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## **Abstracts & Presentations**

**Abstracts >120 (presented at conferences) & >100 invited talks (selected few are listed below)**

1. Iqbal MP. Inverse relationship of Statin use with Vitamin D deficiency in a Pakistani population' in a session on Biopharmaceutics & Medical Biotechnology held at the 1<sup>st</sup> International Conference on Bioscience and Biotechnology 'Molecular Life Sciences for the Development in 21<sup>st</sup> Century', January 12-13, 2016, Colombo, Sri Lanka.
2. Iqbal, SP., Iqbal, R., Yaqub M., Tareen, AS., Iqbal, MP.: Major dietary patterns and risk of acute myocardial infarction in young, urban, Pakistani population. *17<sup>th</sup> National Health Sciences Research Symposium*, Aga Khan University, Karachi, 2/14.
3. Anwar, S., Mehboobali, N., Tareen, AS., Iqbal, K., Haider, G., Iqbal, MP.: Association of vitamin D binding protein genotype 1F-1F with vitamin D levels in male Pakistani population. *17<sup>th</sup> National Health Sciences Research Symposium*, Aga Khan University, Karachi, 2/14.
4. Iqbal, K., Islam, N., Mehboobali, N., Asghar, A., Iqbal, SP., Iqbal, MP.: Relationship of socio-demographic factors with serum levels of vitamin D in a Pakistani population of diabetic patients and healthy controls. *17<sup>th</sup> National Health Sciences Research Symposium*, Aga Khan University, Karachi, 2/14.
5. Iqbal, M.P.: Body iron status and risk of myocardial infarction. 11th Biennial Conference on "Molecular Bioscience – Challenges and Opportunities", Pakistan Society for Biochemistry and Molecular Biology, School of Biological Sciences, University of the Punjab, Lahore, 11/2013
6. Iqbal, M.P., Ali, A.A., Mehboobali, N., Iqbal, K., Ali, R.: Methylenetetrahydrofolate reductase gene polymorphism and response to methotrexate in Pakistani patients with rheumatoid arthritis. Symposium of the Asia Pacific League of Associations for Rheumatology and 2nd Indonesia – Japan Rheumatology Forum (IJREF), Bali, Indonesia, 8/2013.
7. Iqbal, M.P.: Betel nut and cardiovascular risk factors. *4<sup>th</sup> International Symposium-cum-Training Course on Molecular Medicine and Drug Research*, Dr. Punjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, 1/2013.
8. Anwar, S., Iqbal, M.P., Bhutta, Z.A.: Human Gc is the most evolutionary conserved while Zebra fish Gc is the most diverged protein. *7<sup>th</sup> Health Sciences Research Assembly*, Aga Khan University, Karachi, 12/2012.
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10. Iqbal, M.P.: Lead pollution: A risk factor for cardiovascular disease. *CME Lecture*, Department of Continuous Professional Education, Aga Khan University, Karachi, 5/2012

11. Iqbal, M.P.: Folate and B12 deficiency and high blood lead increase risk of hyperhomocysteinemia in individuals with *MTHFR C677T* transition in a Pakistani population. Presentation in Conference on “*Advances and Controversies in B-Vitamins and Choline*”, Leipzig, Germany, March 5-8, 2012; Abstract published in *Chin. Chem. Lab. Med.* 50(2):A23, 2012.
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