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Please see CV for detail



INTERNATIONAL PUBLICATIONS

1. Gharib, G., Rashid, N., Bashir, Q., **Gardner, Q. A.**, Akhtar, M. and Imanaka, T. **2016**. Pcal_1699, an extremely thermostable malate dehydrogenase from hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Extremophiles*. 20:57–67. **Impact factor 2.346**
2. Zain, H., Ahmad, M., **Gardner, Q. A.** and Akhtar, M. **2015**. Hierarchy of N-acylation sites in human insulin studied by RP-HPLC and mass Spectrometry. *JCSP*. 37 (6): 1260 - 1266. **Impact factor 0.35**
3. Arif, A., **Gardner, Q. A.**, Rashid, N. Akhtar, M. **2015**. Production of human interferon alpha-2b in *Escherichia coli* and removal of N-terminal methionine utilizing archaeal methionine aminopeptidase. *Biologia*. 70: 982–987. **Impact factor 0.83**
4. Ahsan, F., Arif, A., Mahmood, Nasir., **Gardner, Q. A.**, Rashid, N. and Akhtar, M., **2014**. Characterization and bioassay of post-translationally modified interferon alpha-2b expressed in *Escherichia coli*. *J Biotechnol.*, 184: 11 – 16. **Impact factor 2.871**
5. **Gardner, Q. A.**, Younas, H. and Akhtar, M., **2013**. Studies on the regioselectivity and kinetics of the action of trypsin on proinsulin and its derivatives using mass spectrometry. *Biochim Biophys Acta.*, 1834: 182-190. **Impact factor 3.016**
6. Aslam, F., **Gardner, Q. A.**, Zain, H., Nadeem, M. S., Ali, M., Rashid, N. and Akhtar, M., **2013**. Studies on the expression and processing of human proinsulin derivatives encoded by different DNA constructs. *Biochim Biophys Acta.*, 1834: 2116-2123. **Impact factor 3.016**
7. Nisar, M. A., Rashid, N., Bashir, Q., **Gardner, Q. A.**, Shafiq, M. H. and Akhtar, M., **2013**. TK1299, a highly thermostable NAD(P)H oxidase from *Thermococcus kodakaraensis* exhibiting higher enzymatic activity with NADPH. *J Biosci Bioeng.*, 116: 39-44. **Impact factor 1.884**
8. Nadeem, M. S., Rashid, N., Iqbal, M., **Gardner, Q. A.** and Akhtar, M., **2011**. First cloning and characterization of aspartate aminotransferase from river buffalo (*Bubalus bubalis*). *Biologia*, 66: 1202 -1210. **Impact factor 0.83**

9. Younas, H¹., **Gardner, Q. A¹.,** Rashid, N., Wright, J. N. and Akhtar, M., **2011.** Conformational transmission in proinsulin and its derivatives: A study using H/D exchange. *Int. J. Mass Spectrom.*, 302: 36-43. (¹ **Both authors contributed equally**). **Impact factor 1.972**
10. Jamil, F., **Gardner, Q. A.,** Bashir, Q., Rashid, N. And Akhtar, M., **2010.** Mechanistic and stereochemical studies of glycine oxidase from *Bacillus subtilis* strain R5. *Biochemistry*, 49: 7377-7383. **Impact factor 3.02**
11. Jamil, F., Rashid, N., **Gardner, Q. A.** and Akhtar. M., **2011.** Gene cloning and characterization of glycine oxidase from newly isolated *Bacillus subtilis* strain R5. *Biologia*, 66:1-7. **Impact factor 0.83**
12. **Gardner, Q. A.,** Younas, H., Rashid, N., Wright, J. N. and Akhtar, M., **2009.** Inventory of 'slow exchanging' hydrogen atoms in human proinsulin and its derivatives: observations on the mass spectrometric analysis of deuterio-proteins in D(2)O. *Biochim Biophys Acta.*, 1794: 1224-1233. **Impact factor 3.016**

Gene Sequences submitted in GENBANK

1. Yaqoob, C., Akhtar, M. and **Gardner, Q. A.,** **2014.** *Bubalus bubalis* serum amyloid A precursor (saa-1) mRNA, complete cds. Accession No. KM016696. **NCBI GenBank Resource,** <http://www.ncbi.nlm.nih.gov/nuccore/671696195>
2. Aslam, F., Younis, H., **Gardner, Q. A.,** Rashid, N. and Akhtar, M. **2012.** *Bos taurus* proinsulin mRNA, partial cds. Accession No. JX041514. **NCBI GenBank Resource,** <http://www.ncbi.nlm.nih.gov/nuccore/397914146>
3. **Gardner, Q. A.,** Younas, H., Rashid, N. and Akhtar, M., **2009.** Synthetic construct hpi gene for human M-proinsulin, complete cds. Accession No. AB501190. **NCBI GenBank Resource,** <http://www.ncbi.nlm.nih.gov/nuccore/237679345>
4. Akhtar, M., Rashid, N., Younas, H., **Gardner, Q. A.** and Aslam, F., **2006.** *Bubalus bubalis* bpi mRNA for proinsulin, partial cds. Accession No. AB234871. **NCBI GenBank Resource,** <http://www.ncbi.nlm.nih.gov/nuccore/89331177>

Publication in a non-impact factor journal

Gardner, Q. A., Mehmood, S., Younis, N., Aurangzeb, N. and Zaheer, F., **2003.** Effect of pregnancy on thyroid profile reference ranges. *Pak J Biochem and Mol Bio.* (ISSN # 1681-4525), 36: 120 – 127.