

# Qamar Bashir

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## Publications

1. Bashir Q, Meulenbroek EM, Pannu NS, Ubbink M. (2014). Engineering specificity in a dynamic protein complex with a single conserved mutation. *FEBS J* 281:48922-905.
2. Rasool N, Rashid N, Bashir Q, Siddiqui MA. (2013) Proteolytic inventory of *Thermococcus kodakaraensis*. *Afr. J. Microbiol. Res.* 7:3139–3150.
3. Hervás Moron M, Bashir Q, Leferink NG, Ferreira P, Moreno-Beltrán B, Westphal AH, Díaz Moreno I, Medina M, de la Rosa MA, Ubbink M, Navarro JA, van Berkel WJ. (2013) Communication between L galactono 1,4 lactone dehydrogenase and cytochrome c. *FEBS J* 280:1830-40.
4. Nisar MA, Rashid N, Bashir Q, Afza Gardner QT, Shafiq MH, 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.
5. De Wael K, Bashir Q, Van Vlierberghe S, Dubruel P, Heering HA, Adriaens A. (2012) Electrochemical determination of hydrogen peroxide with cytochrome c peroxidase and horse heart cytochrome c entrapped in a gelatin hydrogel. *Bioelectrochemistry* 83:15-8.
6. Bashir Q, Scanu S, Ubbink M. (2011) Dynamics in electron transfer protein complexes. *FEBS J.* 278:1391-400.
7. Volkov AN, Bashir Q, Worrall, JAR, Ullmann GM, Ubbink M. (2010). Shifting the equilibrium between the encounter state and the specific form of a protein complex by interfacial point mutations. *J. Am. Chem. Soc.* 132:11487-95.
8. Bashir Q, Volkov AN, Ullmann GM, Ubbink M. (2010). Visualization of the encounter ensemble of the transient electron transfer complex of cytochrome c and cytochrome c peroxidase. *J. Am. Chem. Soc.* 132:241-7.
9. Jamil F, Afza Gardner QT, Bashir Q, Rashid N, Akhtar M. (2010) Mechanistic and stereochemical studies of glycine oxidase from *Bacillus subtilis* strain R5. *Biochemistry* 49:7377-83.
10. Bashir Q, Rashid N, Jamil F, Imanaka T, Akhtar M. (2009). Highly thermostable L-threonine dehydrogenase from the hyperthermophilic archaeon *Thermococcus kodakaraensis*. *J. Biochem.* 146:95-102.
11. Volkov AN, Bashir Q, Worrall JA, Ubbink M. (2009). Binding hot spot in the weak protein complex of physiological redox partners yeast cytochrome c and cytochrome c peroxidase. *J. Mol. Biol.* 385:1003-13.
12. Bowyer A, Mikolajek H, Wright JN, Coker A, Erskine PT, Cooper JB, Bashir Q, Rashid N, Jamil F, Akhtar M. (2008) Crystallization and preliminary X-ray diffraction analysis of L-threonine dehydrogenase from the hyperthermophilic archaeon *Thermococcus kodakaraensis*. *Acta Crystallographica Section F* 64: 828-30.

13. Bashir Q, Rashid N, Akhtar M. (2006). Mechanism and substrate stereochemistry of 2-amino-3-oxobutyrate CoA ligase: implications for 5-aminolevulinate synthase and related enzymes. *Chem. Commun(camb)*. 48:5065-7.

**Cumulative impact factor: 57.78**

**Cumulative citations: 201**