

DR. NASIR AHMAD

(Associate Professor)

School of Biological Sciences,
University of the Punjab, Lahore, Pakistan
<https://orcid.org/0000-0002-4442-8928>

Contact numbers: +92-42-99230-960, +92-0331-4408881, +92-0300-4571688
Fax: 0092-42-99230-980

E-mail: mna.sbs@pu.edu.pk, mna.pk1@gmail.com



Father's Name: Rashid Ahmad

N.I.C #: 36402-9694539-1

Date of Birth: 23-03-1978

Marital Status: Married

Research Publications:

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36

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68.342

Total Citations (as retrieved form Google Scholar on 09-10-2024): **228**

No.	Publication	Impact Factor	Citations
36	Sania, A., Muhammad, M.A., Sajed, M., Ahmad N. , Aslam M., Tang, X. F. and Rashid, N. (2024). Engineering Tk1656, a highly active L-asparaginase from <i>Thermococcus kodakarensis</i> , for enhanced activity and stability. Accepted on October 09, 2024. Article reference [BIOMAC_136442].	7.7	0
35	Mansoor, S., Firyal, S., Awan, A.R., Rashid, N., Ahmad, N. , Saeed, A., Hashmi, M.A., Wasim, M., Saeed, S. and Tayyab, M. (2024). Biological evaluation of locally characterized recombinant thermostable α -amylase in poultry birds. Journal of Xi'an Shiyou University, Natural Science Edition. 20(09):30-44	HEC "X" Category journal	0
34	Sania, A., Muhammad, M.A., Sajed, M., Azim, N., Ahmad N. , Aslam M., Tang ., X. F. and Rashid, N. (2024), Structural and functional analyses of an L-asparaginase from <i>Geobacillus thermopakistaniensis</i> , International Journal of Biological Macromolecules https://doi.org/10.1016/j.ijbiomac.2024.130438	8.2	0
33	Aroob, I., Shaeer, A., Ahmad, N. , Aslam, M. and Rashid, N. (2023). Ethylenediaminetetraacetic acid enhances structural stability and thermotolerance of recombinant cyclomaltodextrinase from <i>Geobacillus thermopakistaniensis</i> at higher temperatures. Biologia. https://doi.org/10.1007/s11756-023-01542-z	1.5	1

32	Muhammad, M. A., Ahmad, N. , Akhter, M., & Rashid, N. (2023). Structural and functional analyses of Pcal_0917, an α -glucosidase from hyperthermophilic archaeon <i>Pyrobaculum calidifontis</i> . <i>International Journal of Biological Macromolecules</i> , 244 (2023) 125446. doi: https://doi.org/10.1016/j.ijbiomac.2023.125446	8.2	4
32	Mehboob, S., Ali, R., Bashir, S., Ahmad, N. , Ahmad, T., Butt, H. I., & Rashid, N. (2023). Molecular cloning and production of recombinant Pcal_0672, a family GH57 glycoside hydrolase from <i>Pyrobaculum calidifontis</i> . <i>Biologia</i> , 1-14. https://doi.org/10.1007/s11756-023-01338-1	1.653	3
31	Aroob, I., Maqbool, A., Pervez, A., Ahmad, N. , Aslam, M., Shaeer, A., and Rashid, N. (2023). Pcal_0976, a pullulanase homologue from <i>Pyrobaculum calidifontis</i> , displays a glycoside hydrolase activity but no pullulanase activity. <i>Biologia</i> , 1-13. https://doi.org/10.1007/s11756-022-01309-y	1.653	1
30	Sajed, M., Falak, S., Muhammad, M.A., Ahmad, N. and Rashid, N. (2022). A plant-type L-asparaginase from <i>Pyrobaculum calidifontis</i> undergoes temperature dependent autocleavage. <i>Biologia</i> , 77(12):3623-3631. https://doi.org/10.1007/s11756-022-01215-3	1.653	2
29	Sajed, M., Ahmad, N. and Rashid, N. (2022). Temperature dependent autocleavage and applications of recombinant L-asparaginase from <i>Thermococcus kodakarensis</i> for acrylamide mitigation. <i>3 Biotech</i> 12(129) https://doi.org/10.1007/s13205-022-03197-0	2.406	9
28	Asif, M., Shahid A.A. and Ahmad, N. 2022. <i>Ganoderma lucidum</i> as a biocontrol agent for management of <i>Alternaria solani</i> , a pathogen of early blight of tomato. <i>Sarhad Journal of Agriculture</i> , 38(2): 734-741. https://dx.doi.org/10.17582/journal.sja/2022/38.2.734.741	HEC “Y” Category journal	3
27	Aroob, I., Javed, M., Ahmad, N. , Aslam, M. and Rashid N. (2022) Investigating the role of carbohydrate-binding module 34 in cyclomaltodextrinase from <i>Geobacillus thermopakistaniensis</i> : structural and functional analyses. <i>3 Biotech</i> 12(25):1-12. https://doi.org/10.1007/s13205-021-03089-9 . Epub 2021 Dec 23.	2.406	2
26	Asif, M., Shahid, A.A., Ahmad, N. and S. Ali. (2021). Ganodermin, as a biopesticide from <i>Ganoderma lucidum</i> to reduce incidence of early blight of tomato. <i>Pak. J. Agri. Sci.</i> 58:1537-1545.	0.748	0

25	Aroob, I., Ahmad, N. and Rashid, N. (2021). Cyclodextrin-preferring glycoside hydrolases: properties and applications. <i>Amylase</i> 2021; 5:23-37. https://doi.org/10.1515/amylase-2021-0003	An international, peer-reviewed journal	7
24	Toor, K. J., Ahmad, N. , Muhammad, M. A. and Rashid, N. (2020). TK-PUL, a pullulan hydrolase type III from <i>Thermococcus kodakarensis</i> : a potential candidate for simultaneous liquefaction and saccharification of starch. <i>Amylase</i> 4(1):45-55. https://doi.org/10.1515/amylase-2020-0004	An international, peer-reviewed journal	8
23	Naeem, S., Ahmad, N. and Rashid, N. (2020). Pcal_0842, a highly thermostable glycosidase from <i>Pyrobaculum calidifontis</i> displays both α -1,4- and β -1,4-glycosidic cleavage activities. <i>International Journal of Biological Macromolecules</i> , 165(15):1745-1754. https://doi.org/10.1016/j.ijbiomac.2020.10.012	5.162	7
22	Mehboob, S., Ahmad, N. , Munir, S., Ali, R., Younas, H. and Rashid, N. (2020). Gene cloning, expression enhancement in <i>Escherichia coli</i> and biochemical characterization of a highly thermostable amyloamylase from <i>Pyrobaculum calidifontis</i> . <i>International Journal of Biological Macromolecules</i> , 165(15):645-653. https://doi.org/10.1016/j.ijbiomac.2020.09.071	5.162	13
21	Aroob, I., Ahmad, N. , Aslam, M., Shaeer, A. and Rashid, N. (2019). A highly active α -cyclodextrin preferring cyclomaltodextrinase from <i>Geobacillus thermopakistanensis</i> . <i>Carbohydrate Research</i> , 481(15):1-8. https://doi.org/10.1016/j.carres.2019.06.004 .	2.074	11
20	Afzaal, S., Hameed, U., Ahmad, N. , Udekwu, K., Pastuszek, P. and Haider, M. S. (2019). Effect of Pasteurization treatments on <i>Leuconostoc mesenteroides</i> strains isolated from the Pakistani Foods. <i>Pakistan Journal of Agricultural Research</i> , 32(4): 625-628. http://dx.doi.org/10.17582/journal.pjar/2019/32.4.625.628 .	HEC “Y” Category journal	1

19	Afzaal, S., Hameed, U., Ahmad, N. , Rashid, N. and Haider, M. S. (2019). Molecular Identification and Characterization of Lactic Acid producing Bacterial Strains Isolated from Raw and Traditionally Processed Foods of Punjab, Pakistan. <i>Pakistan Journal of Zoology</i> , 51(3):1145-1153. Doi: 10.17582/journal.pjz/2019.51.3.1145.1153.	0.547	5
18	Anjum, S., Ahmad, N. , Hussain, Z., Haider, M. S. and Rashid, N. (2018). Valorization of waste foods using pullulan hydrolase from <i>Thermococcus kodakarensis</i> . <i>Amylase</i> 2018, 2:39–43. https://doi.org/10.1515/amylase-2018-0005	An international, peer-reviewed journal	3
17	Guo, J., Coker, A.R., Wood, S.P., Cooper, J.B., Keegan, R.M., Ahmad, N. , Muhammad, M.A., Rashid, N. and Akhtar, M. (2018). Structure and function of the type III pullulan hydrolase from <i>Thermococcus kodakarensis</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 74(4): 305-314. https://doi.org/10.1107/S2059798318001754	3.099	20
16	Muhammad, M. A., Falak, S., Rashid, N., Ahmad, N. , Gardner, Q. T. A. A., Tariq, A., and Akhtar, M. (2017). Complete signal peptide of Tk1884, an α -amylase from <i>Thermococcus kodakarensis</i> , is not necessary for extracellular secretion of the enzyme by <i>Escherichia coli</i> <i>Amylase</i> 1: 75–81. https://doi.org/10.1515/amylase-2017-0007	An international, peer-reviewed journal	2
15	Muhammad, M. A., Falak, S., Rashid, N., Gardner, Q. T. A. A., Ahmad, N. , Imanaka, T., and Akhtar, M. (2017). " <i>Escherichia coli</i> signal peptidase recognizes and cleaves archaeal signal sequence. <i>Biochemistry (Moscow)</i> . 82(7):821-825 Papers in Press. Published on May 8, 2017 as Manuscript BM17-112. doi: 10.1134/S0006297917070070.	1.537	4
14	Mehboob, S., Ahmad, N. , Rashid, N., Imanaka, T. and Akhtar, M. (2016). Pcal_0768, a highly active 4-alpha-glucanotransferase from <i>Pyrobaculum calidifontis</i> . <i>Extremophiles</i> , 20(4):559–566. DOI 10.1007/s00792-016-0850-x.	2.346	9
13	Azam, M., Shahid, A. A., Majeed, R. A., Ali, M., Ahmad, N. and Haider, M. S. (2016). First Report of <i>Penicillium biourgeianum</i> causing Post-Harvest Fruit Rot of Apple in Pakistan. <i>Plant Disease</i> , Posted online on 9 Mar 2016, First Look.	3.02	2

12	Ahmad, N., Mehboob, S. and Rashid, N. (2015). Starch-processing enzymes—emphasis on thermostable 4- α -glucanotransferases. <i>Biologia</i> , 70(6) : 709-725.	0.827	18
11	Naz, S., Javaid, A., Ahmad, N., and Shoaib, A. (2014). Antibacterial activity of essential oils of <i>Trachyspermum ammi</i> (L.) sprague and <i>Ocimum basilicum</i> L. against <i>acidovorax</i> sp. <i>Intl. J. of Biol. and Biotechnol.</i> , 11(4) : 671-675.	HEC's Z category Journal	4
10	Ahmad N., Rashid N., Haider, M. S., Akram M., and Akhtar, M. (2013). Novel maltotriose hydrolyzing thermo-acidophilic pullulan hydrolase type III from <i>Thermococcus kodakaraensis</i> . <i>Appl. Environ. Microbiol.</i> , 80(3) :1108-1115. doi:10.1128/AEM.03139-13.	3.678	48
9	Malik B., Rashid N., Ahmad N., and Akhtar M. (2013). <i>Escherichia coli</i> Signal Peptidase Recognizes and Cleaves the Signal Sequence of α -Amylase Originating from <i>Bacillus licheniformis</i> . <i>Biochemistry (Moscow)</i> , 78(8) :958-962.	1.149	11
4-8	Ahmad, N., Rashid, N., Haider, M. S. and Akhtar, M. (2016). Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. (United States Patent No. US9340778 B2 granted on 17/05/2016). * One International (Technology related) Patent granted from technologically advanced countries is equivalent up to 5 publications in Impact Factor Journals (Ref: DG/QA/HEC/Policy-Dec/2008/ i140; Dated: November 04, 2008).	Equivalent to Five publications having Impact Factor	4
3	Jalal, A., <u>Rashid, N.,</u> Ahmad, N., Iftikhar, S. and Akhtar, M. (2011). <i>Escherichia coli</i> signal peptidase recognizes and cleaves the signal sequence of xylanase from a newly isolated <i>Bacillus subtilis</i> strain R5. <i>Biochemistry (Moscow)</i> 76(3) :347-349.	1.402	13
2	Rashid, N., Ahmad, N., Haider, M. S. and Haque, I. (2010). Effective solubilization and single-step purification of <i>Bacillus licheniformis</i> α -Amylase from insoluble aggregates. <i>Folia Microbiol.</i> 55(2) :133–136.	0.997	8

1	Ur-Rehman, S., Piggott, J. R., Ahmad, M. M., Hussain, S., Ahmad, N. and Owusu-Darko, P. (2008). Preparation and evaluation of pizza cheese made from blend of vetch-bovine milk. <i>Int. J. Food Sci. Technol.</i> 43(5):770-778.	1.223	5
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