

Khosro Khajeh

Professor

Biochemistry Department

Faculty of Biological Science

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Education

University of Tehran, IBB	1995- 1999
* Ph. D. Biochemistry	
University of Tehran, IBB	1991-1995
* M. S. Biochemistry	
University of Shiraz	1987-1991
* B.S. Biology	

Language Skills

Persian and English

Lecturer, Tarbiat Modares University

Biotechnology

Design of enzyme inhibitor and Drug design

Enzymology

Enzyme technology

Biochemistry of Chromatin

Enzyme kinetics

Mechanisms of enzymes

Advanced topics in Biochemistry

Protein Biochemistry

Projects:

- 1) Use of antibodies for stabilization of α -amylase
- 2) Isolation, purification and cloning of laccase, protease and glucose isomerase from microorganisms of hot spring
- 3) Purification of FMN-NADH oxidoreductase from a new bacterial sp.
- 4) Biosensor for phenolic compounds
- 5) Identification and determination of pollutants in the soil
- 6) Bioremediation of the soil pollutants

Gene discoveries

- 1) *Geobacillus* sp. LH8 16S ribosomal RNA gene, partial sequence
gi|76009545|gb|DQ192572.1|[76009545]
- 2) *Bacillus* sp. HR-08 16S ribosomal RNA gene, partial sequence
gi|68349534|gb|DQ092500.1|[68349534]
- 3) *Bacillus* sp. KR-8104 alpha-amylase precursor, gene, partial cds
gi|56788275|gb|AY841124.1|[56788275]
- 4) *Bacillus* sp. HR03 16S ribosomal RNA gene, partial sequence
gi|82754704|gb|DQ285295.1|[82754704]
- 5) *Geobacillus* sp. LH8 thermostable DNA polymerase I (polI) gene, complete cds
gi|88697142|gb|DQ392964.1|[88697142]
- 6) *Geobacillus* sp. MKK-2005 16S ribosomal RNA gene, partial sequence
gi|83595305|gb|DQ309334.1|[83595305]
- 7) *Bacillus* sp. STG-83 16S ribosomal RNA gene, partial sequence
gi|117574658|gb|EF051255.1|[117574658]
- 8) *Geobacillus* sp. L14 16S ribosomal RNA gene, partial sequence
gi|116490060|gb|EF015470.1|[116490060]
- 9) *Klebsiella pneumoniae* strain TM100 16S ribosomal RNA gene, partial seq.
gi|115529734|gb|DQ852624.1|[115529734]
- 10) *Bacillus* sp. WHO 16S ribosomal RNA gene, partial sequence
gi|115521851|gb|DQ973298.1|[115521851]
- 11) *Thermus* sp. GH5 16S ribosomal RNA gene, partial sequence
gi|115521850|gb|DQ973297.1|[115521850]

Protein discovery

- 1) Alpha-amylase precursor [Bacillus sp. KR-8104]
gi|56788276|gb|AAW29920.1|[56788276]
- 2) Bacillus sp. hr08 serine protease gene, partial cds
gi|87241717|gb|DQ379515.1|[87241717]
- 3) thermostable DNA polymerase I [Geobacillus sp. LH8]
gi|88697143|gb|ABD48716.1|[88697143]
- 4) Crystal structure of native alpha-amylase from Bacillus sp. KR-8104 PDBID: 3dc0
- 5) High resolution crystal structure of Bacillus amyloliquefaciens alpha-amylase PDBID: 3bh4

Most Remarkable Awards and Honours

Razi Student Award, 1995

Tehran University Award, 2001

Razi Medical Award, 2008

Publications

Books:

- 1) Biology, First edition (publisher: Manshor Danesh)
- 2) Biology, Second edition (publisher: Manshor Danesh)
- 3) Translation and final advisor of "Stryer Biochemistry" (publisher: Biology House)
- 4) Translation and final advisor of "Campbell Biology" (publisher: Biology House)
- 5) Industrial Enzymology (publisher: University of Tehran)
- 6) Isolation and purification of proteins, in preparation
- 7) Translation and final advisor of "Molecular Biology of the Gene, Watson

Conferences:

About 200 abstracts in national and international congresses

Publications:

1. S Zargan, H Jalili, B Dabirmanesh, S Mesdaghinia, K Khajeh “Amyloidogenesis of SARS-CoV-2 delta plus and omicron variants receptor-binding domain (RBD): impact of SUMO fusion tag”, *Biotechnology Letters*, 46 ,1037-1048 ,2024
2. F S Sabet, B Dabirmanesh, H S Sabet, Parisa Zarei, M Hosseini, YFathollahi, K Khajeh “The electro-responsive nanoliposome as an on-demand drug delivery platform for epilepsy treatment”, *International Journal of Pharmaceutics*, 664, 124610, 2024
3. H Khezri, M Mostafavi, B Dabirmanesh, K Khajeh “Peptibodies: Bridging the gap between peptides and antibodies”, *International Journal of Biological Macromolecules*, 134718, 2024
4. K Khajeh, E Dashtban Moghadam, S Khodaverdian, B Dabirmanesh, J Mirnajafi-Zadeh, Y Fathollahi, “An analysis of epileptogenesis-related proteins involved in cAMP signaling”, *Cellular and Molecular Research (Iranian Journal of Biology)*, 37, 202-218, 2024
5. S Jabbari, B Dabirmanesh, S Daneshjou, K Khajeh “The potential of a novel enzyme-based surface plasmon resonance biosensor for direct detection of dopamine”, *Scientific Reports*, 14, 14303, 2024
6. S Hajiali, S Daneshjou, K Khajeh, S Daneshjoo “Investigation of pH and Temperature Changes on the Biomimetic Synthesis of Iron Oxide Magnetic Nanoparticles from the Bacterial Source of *Bacillus Megaterium*”, *Journal of Inorganic and Organometallic Polymers and Materials*, 1-22 ,2024
7. S Saremi, K Khajeh, B Dabirmanesh, M Ayyari “Investigation of SUMO tag on expression, solubility and fibrillation of Alpha synuclein”, *Modares Journal of Biotechnology*, 15, 2024
8. M H Taghizadeh, K Khajeh, N Nasirpour, S M Mousavi “Maximization of uricase production in a column bioreactor through response surface methodology-based optimization”, *Biofabrication* ,16 , 035023, 2024
9. M Mehrafza, S Daneshjou, K Khajeh, A Akhavan Sepahi “Green Fabrication of Cobalt Oxide Nanoparticles by *Bacillus megaterium* and Their Antibacterial Activities”, *BioNanoScience* ,1-12, 2024
10. ME Shahabodin, A Golestani, K Khajeh, M Maleki “Enhancing Chondroitinase ABC I activity and stability through surface aromatic clustering”, *Clinica Chimica Acta*, 558, 117949 ,2024
11. E Tavili, F Aziziyan, K Khajeh “Inhibitors of amyloid fibril formation”, *Progress in Molecular Biology and Translational Science*, 206, 291-340, 2024
12. S A Aminisough, S Daneshjou, K Khajeh “Biosynthesis, characterization, and investigation of cytotoxic activities of selenium nanoparticles utilizing *Limosilactobacillus fermentum*”, *Green Processing and Synthesis*, 13, 20240030, 2024
13. M Soleiman, M Fathi-Roudsari, K Khajeh, A Maghsoudi “Optimization of Epigenetic Modifier Drug Combination for Synergistic Effect against Glioblastoma Multiform Cancer”, *Cell Lines Cancer Investigation* ,42 ,319-332 ,2024
14. K Khalili, F Farzam, B Dabirmanesh, K Khajeh “Prediction of protein aggregation”, *Progress in Molecular Biology and Translational Science*, 206,229-263 ,2024
15. F Ramezani Khorsand, F Aziziyan, K Khajeh “Factors influencing amyloid fibril formation”, *Progress in Molecular Biology and Translational Science*, 206 ,55-83, 2024
16. H Mirshekari, B Dabirmanesh, S Daneshjou, K Khajeh “Fabrication and evaluation of a plasmonic biosensor based on silica-coated gold nanorods for highly-sensitive detection of anti-Müllerian hormone”, *Colloid and Interface Science Communications*, 61, 100795, 2024
17. B Dabirmanesh, K Khajeh, VN Uversky, “The hidden world of protein aggregation”, *Progress in Molecular Biology and Translational Science*, 206, 473-494, 2024
18. S Hajiali, S Daneshjou, S Daneshjoo, K Khajeh, “Biosynthesis Optimization of Antibacterial-Magnetic Iron Oxide Nanoparticles from *Bacillus megaterium*”, *Biological Trace Element Research*, 1-18, 2024
19. S Saremi, K Khajeh, “Amyloid fibril cytotoxicity and associated disorders”, *Progress in Molecular Biology and Translational Science*, 206, 265-290, 2024
20. M Mohseni-Dargah, C Pastras, P Mukherjee, K Cheng, K Khajeh, M Asadnia, “Performance of personalised prosthesis under static pressure: Numerical analysis and experimental validation”, *Journal of the Mechanical Behavior of Biomedical Materials* 151, 106396, 2024.
21. S Alavi, H Ghadiri, B Dabirmanesh, K Khajeh, “The impact of quantum dot on the SPR detection improvement of molecular interactions between Rap1 interacting factor1 (Rif1) and G4”, *Sensing and Bio-Sensing Research*, 100621, 2024.
22. M Heydari, N Salehi, R Zadmand, WM Nau, K Khajeh, Z Azizi, A Norouzy, “P-Sulfonatocalix [4] arene turns peptide aggregates into an efficient cell-penetrating peptide”, *Royal Society of Chemistry*, 14 ,32460-32470 2024
23. B Dabirmanesh, K Khajeh, VN Uversky, “Protein aggregation: An overview”, *Progress in molecular biology and translational science*, 206, 1-10, 2024

24. M Mohseni-Dargah, C Pastras, P Mukherjee, K Khajeh, M Asadnia, "Enhancing ossicular chain reconstruction through finite element analysis and advanced additive manufacturing: A review", *Bioprinting*, e00328, 2024.
25. P Lordifard, SP Shariatpanahi, K Khajeh, AA Saboury, B Goliaei, "Frequency dependence of ultrasonic effects on the kinetics of hen egg white lysozyme fibrillation", *International Journal of Biological Macromolecules* 254, 127871, 2024.
26. F Azizian, F Farzam, B Dabirmanesh, K Khajeh, "Recombinant laccase production: *Escherichia coli*, *Pichia pastoris*, and filamentous fungi as microbial factories", *Bacterial Laccases*, 25-73, 2024.
27. A Kheirollahi, S Sadeghi, S Orandi, K Moayedi, K Khajeh, M Khoobi, A Golestani. "Chondroitinase as a Therapeutic Enzyme: Prospects and Challenges." *Enzyme and Microbial Technology*, 110348, 2023.
28. E Dashtban-Moghadam, S Khodaverdian, B Dabirmanesh, J Mirnajafi-Zadeh, A Shojaei, M Mirzaie, P Choopanian, M Atabakhshi-Kashi, Y Fathollahi, K Khajeh, "Hippocampal tandem mass tag (TMT) proteomics analysis during kindling epileptogenesis in rat", *Brain Research* 1822, 148620, 2024.
29. A Hassanli, S Daneshjou, B Dabirmanesh, K Khajeh, "Improvement of thermal-stability of chondroitinase ABCI immobilized on graphene oxide for the repair of spinal cord injury", *Scientific Reports* 13 (1), 18220, 2023.
30. E Dashtban-Moghadam, S Khodaverdian, B Dabirmanesh, J Mirnajafi-Zadeh, A Shojaei, M Mirzaie, P Choopanian, M Atabakhshi-Kashi, Y Fathollahi, K Khajeh, "Hippocampal tandem mass tag (TMT) proteomics analysis during kindling epileptogenesis in rat", *Brain Research*, 148620, 2023.
31. S Ranjbar, B Dabirmanesh, E Dashtban-Moghadam, J Mirnajafi-Zadeh, K Khajeh, "Proteomic profiling of the rat hippocampus from the kindling models of electrical epilepsy and treatment with low-frequency deep brain stimulation: the important role of the cytoskeleton", *Journal of the Iranian Chemical Society* 20 (10), 2491-2499, 2023.
32. T Forooghi Pordanjani, B Dabirmanesh, P Choopanian, M Mirzaie, K Khajeh. "Extracting potential new targets for treatment of Adenoid Cystic Carcinoma using bioinformatic methods." *Iranian biomedical journal* 27, no. 5: 76-88, 2023.
33. M Mohseni-Dargah, Z Falahati, C Pastras, K Khajeh, P Mukherjee, A Razmjou, S Stefani, M Asadnia. "Meniere's disease: Pathogenesis, treatments, and emerging approaches for an idiopathic bioenvironmental disorder." *Environmental Research*: 116972, 2023.
34. M Mohseni-Dargah, C Pastras, P Mukherjee, K Cheng, K Khajeh, M Asadnia, "Designing Precise Ossicular Chain Reconstruction with Finite Element Modelling", 2023.
35. A Homaei, F Izadpanah, K Khajeh, E Kamrani, P Fernandes, "Isolation and identification of *L*-asparaginase producing bacteria from intestinal bacterial flora of *Liza klunzingeri* (Day, 1888) and *Thunnus tonggol* (Bleeker, 1851)", *Journal of Aquatic Physiology and Biotechnology* 10 (4), 59-79, 2023.
36. S. Farhangi, E. Karimi, K. Khajeh, S. Hosseinkhani, M. Javan, "Peptide mediated targeted delivery of gold nanoparticles into the demyelination site ameliorates myelin impairment and gliosis", *Nanomedicine: Nanotechnology, Biology and Medicine* 47, 102609, 2023.
37. A. Rayatpour, F. Foolad, M. Heibatollahi, K. Khajeh, M. Javan, "Ferroptosis inhibition by deferiprone, attenuates myelin damage and promotes neuroprotection in demyelinated optic nerve", *Scientific Reports* 12 (1), 19630, 2022.
38. O. Cheraghi, B. Dabirmanesh, F. Ghazi, M. Amanlou, M. Atabakhshi-Kashi, Y. Fathollahi, K. Khajeh, "The effect of Nrf2 deletion on the proteomic signature in a human colorectal cancer cell line", *BMC cancer*, vol22, pp 1-16, 2022.
39. S. Farhangi, E. Karimi, K. Khajeh, S. Hosseinkhani, M. Javan, "Peptide mediated targeted delivery of gold nanoparticles into the demyelination site ameliorates myelin impairment and gliosis", *Nanomedicine: Nanotechnology, Biology and Medicine*, 2022.
40. M. Qafary, F. Rashno, K. Khajeh, M. Khaledi, AA. Moosavi-Movahedi, "Insulin fibrillation: Strategies for inhibition", *Pergamon*, 2022.
41. T. Forooghi Pordanjani, B. Dabirmanesh, P. Choopanian, M. Mirzaie, S. Mohebbi, K. Khajeh, "Extracting potential new targets for treatment of Adenoid Cystic Carcinoma using bioinformatic methods", *Research Square*, 2022.
42. F. Izadpanah Qeshmi, A. Homaei, K. Khajeh, E. Kamrani, P. Fernandes, "Production of a Novel Marine *Pseudomonas aeruginosa* Recombinant *L*-Asparaginase: Insight on the Structure and Biochemical Characterization", *Marine Biotechnology*, pp 1-15, 2022.
43. K. Gholivand, Z. Roshanian, M. Rahimzadeh Dashtaki, Z. Hosseini, AA. Ebrahimi Valmoozi, M. Sharifi, F. Mohammadpanah, M. Rajabi, M. Ghadamyari, S. Farshadian, RH. Sajedi, K. Khajeh, N. Akbari, "Monophosphoramidate derivatives: synthesis and crystal structure, theoretical and experimental studies of their biological effects", *Molecular Diversity*, vol 26, pp 97-112, 2022.

44. S. Alavi, H. Ghadiri, B. Dabirmanesh, K. Khajeh, "SPR Analysis of SUMO-Murine Rap1-Interacting Factor 1 C-Terminal Domain Interaction with G4", *Biosensors*, vol 12, pp 37, 2022.
45. M. Mohseni-Dargah, Z. Falahati, B. Dabirmanesh, P. Nasrollahi, K. Khajeh, "Machine learning in surface plasmon resonance for environmental monitoring", *Artificial Intelligence and Data Science in Environmental Sensing*, pp 269-298, 2022.
46. F. Ghavamipour, K. Khajeh, R. H Sajedi, "The application of the QDs/H2O2 chemiluminescence system in HRP assay and HRP-based immunoassay", *Colloids and Surfaces B: Biointerfaces*, vol 206, pp 111942, 2022.
47. M. Geranpayehvaghei, B. Dabirmanesh, M. Khaledi, M. Atabakhshi-Kashi, C. Gao, M. Taleb, Y. Zhang, K. Khajeh, G. Nie, "Cancer-associated-platelet-inspired nanomedicines for cancer therapy", *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, vol 13, pp e1702, 2021.
48. S. Khodaverdian, E. Dashtban-Moghadam, B. Dabirmanesh, J. Mirnajafi-Zadeh, M. Taleb, K. Khajeh, Y. Fathollahi, "CD38 and MGLuR1 as possible signaling molecules involved in epileptogenesis: A potential role for NAD⁺ homeostasis", *Brain Research*, vol 1765, pp 147509, 2021.
49. M. Atabakhshi-Kashi, M. Carril, H. Mahdavi, W. J Parak, C. Carrillo-Carrion, K. Khajeh, "In Vitro Cellular Uptake Studies of Self-Assembled Fluorinated Nanoparticles Labelled with Antibodies", *Nanomaterials*, vol 11, pp 1906, 2021.
50. H. Ghadiri, S. Alavi, B. Dabirmanesh, K. Khajeh, "Characterization of Interaction of the MBP-Tagged MuRif1-C-Terminal Domain with G-Quadruplex DNA by SPR", *Biochemistry (Moscow)*, vol 86, pp898-905, 2021.
51. L. Sadeghi, A. Anatolyevich Rizvanov, B. Dabirmanesh, I. Ildusovich Salafutdinov, M. Sayyah, A. Shojaei, J. Zahiri, J. Mirnajafi-Zadeh, B. Khorsand, K. Khajeh, Y. Fathollahi, "Proteomic profiling of the rat hippocampus from the kindling and pilocarpine models of epilepsy: potential targets in calcium regulatory network", *Scientific reports*, vol 11, pp 1-12, 2021.
52. M. Biglar, H. Salehabadi, S. Jabbari, B. Dabirmanesh, K. Khajeh, F. Mojab, "Screening and identification of herbal urease inhibitors using surface plasmon resonance biosensor", *Research Journal of Pharmacognosy*, vol 8, pp 51-62, 2021.
53. M. Qafary, K. Khajeh, M. Ramazzotti, AA. Moosavi-Movahedi, F. Chiti, "Urea titration of a lipase from *Pseudomonas* sp. reveals four different conformational states, with a stable partially folded state explaining its high aggregation propensity", *International Journal of Biological Macromolecules*, vol 174, pp32-41, 2021.
54. S. Mohammadi, K. Khajeh, M. Taghdir, B. Ranjbar, "An experimental investigation on the influence of various buffer concentrations, osmolytes and gold nanoparticles on lysozyme: Spectroscopic and calorimetric study", *International Journal of Biological Macromolecules*, vol 172, pp 162-169, 2021.
55. M. Davoud Ghafari, I. Rasooli, K. Khajeh, B. Dabirmanesh, M. Ghafari, P. Owlia, "Computational analysis of transition temperatures (T_t) of proteins fused to elastin-like polypeptide (ELP): deep fake evaluation of proteins, linkers, and trailers features", *bioRxiv*, 2021.
56. H. Ghadiri, S. Alavi, B. Dabirmanesh, K. Khajeh, "ИЗУЧЕНИЕ ВЗАИМОДЕЙСТВИЯ С-КОНЦЕВОГО ДОМЕНА БЕЛКА MuRif1 МЕЧЕННОГО МВР С G-КВАДРУПЛЕКСАМИ ДНК С ПОМОЩЬЮ ...", *Биохимия*, vol 86, pp1078-1086, 2021.
57. Khosro Khajeh, "10. The Theory of Spatial Information as a Basis for GIS-Making Better Tools", *Journal Archive*, vol 30, 2021.
58. H. Ma'soumi, H. Malmirian, H. Sane'ei, M. Purkamaal, M. Ahmadpour, P. Rad, M. Sharifi, M. Hadi, A. Movahhed, M. Nurbakhsh, M. Badrifar, AS. Saberi, H. Beik Mohammadi, M. Ashnedar, ..., K. Khajeh, "1051. Geometric Calibration of the Aerial Digital Camera" ULTRACAM D", *Journal Archive*, vol 30, 2021.
59. S. Alavi, H. Ghadiri, B. Dabirmanesh, K. Moriyama, K. Khajeh, H. Masai, "G-quadruplex binding protein Rif1, a key regulator of replication timing", *The Journal of Biochemistry*, vol 169, pp 1-14, 2021.
60. F. Hajipour, S. Asad, MA. Amoozegar, AA. Javidparvar, J. Tang, H. Zhong, K. Khajeh, "Developing a fluorescent hybrid nanobiosensor based on quantum dots and azoreductase enzyme for methyl red monitoring", *Pasteur Institute of Iran*, vol 25, pp8, 2021.
61. F. Mohammadi, Z. Takaloo, H. Rahmani, MA. Nasiri Khalili, K. Khajeh, G. Riazi, RH. Sajedi, "Interplay of isoform 1N4R tau protein and amyloid- β peptide fragment 25–35 in reducing and non-reducing conditions", *The Journal of Biochemistry*, vol. 169, pp 119-134, 2021.
62. S. Daneshjou, B. Dabirmanesh, F. Rahimi, S. Jabbari, K. Khajeh, "Catalytic parameters and thermal stability of chondroitinase ABC1 on red porous silicon nanoparticles", *Journal of Biotechnology*, vol. 324, pp 83-90, 2020.

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64. G Farnoosh, K Khajeh, M Mohammadi, K Hassanpour, AM Latifi, K. Khajeh, "Catalytic and structural effects of flexible loop deletion in organophosphorus hydrolase enzyme: A thermostability improvement mechanism" *Journal of biosciences* 45 (1), 1-10, 2020.
65. MD Ghafari, I Rasooli, K Khajeh, B Dabirmanesh, P Owlia, "Molecular Dynamics Study of the Human Beta-defensins 2 and 3 Chimeric Peptides with the Cell Membrane Model of *Pseudomonas aeruginosa*" *International Journal of Peptide Research and Therapeutics* 26 (4), 2039-2056, 2020.
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67. S Haghghat-Kharazi, M Reza Kasaai, JM Milani, K Khajeh, "Antistaling properties of encapsulated maltogenic amylase in gluten-free bread" *Food Science & Nutrition* 8 (11), 5888-5897, 2020.
68. F Hajipour, S Asad, MA Amoozegar, AA Javidparvar, J Tang, H Zhong, ... "Developing a Fluorescent Hybrid Nanobiosensor Based on Quantum Dots and Azoreductase Enzyme for Methyl Red Monitoring" *Iranian Biomedical Journal* 25 (1), 8, 2020.
69. F Mohammadi, Z Takaloo, H Rahmani, MA Nasiri Khalili, K Khajeh, ... "Interplay of isoform 1N4R tau protein and amyloid- β peptide fragment 25-35 in reducing and non-reducing conditions" *The Journal of Biochemistry*, 2020.
70. S Haghghat-Kharazi, MR Kasaai, JM Milani, K Khajeh, "Optimization of encapsulation of maltogenic amylase into a mixture of maltodextrin and beeswax and its application in gluten-free bread" *Journal of texture studies* 51 (4), 631-641, 2020.
71. S Haghghat-Kharazi, MR Kasaai, JM Milani, K Khajeh, "Optimization of encapsulation of maltogenic amylase into a mixture of maltodextrin and beeswax and its application in gluten-free bread" *Journal of texture studies* 51 (4), 631-641, 2020.
72. N Marvastizadeh, B Dabirmanesh, RH Sajedi, K Khajeh, "Anti-amyloidogenic effect of artemin on α -synuclein" *Biological Chemistry* 1 (ahead-of-print), 2020.
73. S Ebrahimi, ZE Nataj, S Khodaverdian, A Khamsavi, Y Abdi, K Khajeh, "An Ion-Sensitive Field-Effect Transistor Biosensor Based on SWCNT and Aligned MWCNTs for Detection of ABTS" *IEEE Sensors Journal* 20 (24), 14590-14597, 2020.
74. A Badoei-dalfard, K Khajeh, Z Karami, "Protein engineering of a metalloprotease in order to improve organic solvents stability and activity" *Catalysis Letters* 150 (5), 1219-1229, 2020.
75. R Sajedi, F Ghavamipour, H Rahmani, M Shanehsaz, K Khajeh, ... "Enhanced Sensitivity of VEGF Detection Using Catalase-Mediated Chemiluminescence Immunoassay Based on CdTe QD/H₂O₂ System" 2020.
76. S. Rezaei, B. Dabirmanesh, L. Zare, A. Golestani, M. Javan, and K. Khajeh, "Enhancing myelin repair in experimental model of multiple sclerosis using immobilized chondroitinase ABC I on porous silicon nanoparticles," *International Journal of Biological Macromolecules*, vol. 146, pp. 162-170, 2020.
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78. N. Marvastizadeh, B. Dabirmanesh, R. H. Sajedi, and K. Khajeh, "Anti-amyloidogenic effect of artemin on α -synuclein," *Biological Chemistry*, 2020.
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80. M. D. Ghafari, I. Rasooli, K. Khajeh, B. Dabirmanesh, and P. Owlia, "Molecular Dynamics Study of the Human Beta-defensins 2 and 3 Chimeric Peptides with the Cell Membrane Model of *Pseudomonas aeruginosa*," *International Journal of Peptide Research and Therapeutics*, 2020.
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