

● SCIE 학술지 게재 주요 논문 (2017~현재)

1. Mi-Jeong Yang, Hyun Woo Lee, and **Hoon Kim**, "Enhancement of thermostability of *Bacillus subtilis* endoglucanase by error-prone PCR and DNA shuffling", (2017. 01. 16 Online; 02. 28), Applied and Biological Chemistry. 60, 73-78.
2. Hyun Woo Lee, Hyung Won Ryu, Myung-Gyun Kang, Daeui Park, Hanna Lee, Heung Mook Shin, Sei-Ryang Oh, **Hoon Kim**, "Potent inhibition of monoamine oxidase A by decursin from *Angelica gigas* Nakai and by wogonin from *Scutellaria baicalensis* Georgi", (2017. 01. 18 Online; 04. 01), International Journal of Biological Macromolecules. 97, 598-605.
3. Hyun Woo Lee, Hyung Won Ryu, Myung-Gyun Kang, Daeui Park, Sei-Ryang Oh, **Hoon Kim**, "Selective inhibition of monoamine oxidase A by purpurin, an anthraquinone", (2017. 01. 31 Online; 03. 01), Bioorganic & Medicinal Chemistry Letters. 27, 1136-1140.
4. Seung Cheol Baek, Thien-Hoang Ho, Hyun Woo Lee, Won Kyeong Jung, Hyo-Seung Gang, Lin-Woo Kang, **Hoon Kim**, "Improvement of enzyme activity of β -1,3-1,4-glucanase from *Paenibacillus* sp. X4 by error-prone PCR and structural insights of mutated residues", (2017. 02. 08 Online; 05. 15), Applied Microbiology and Biotechnology. 101, 4073-4083.
5. Hyun Woo Lee, Hyung Won Ryu, Seung Cheol Baek, Myung-Gyun Kang, Daeui Park, Hyoung-Yun Han, Ju Hyeon An, Sei-Ryang Oh, **Hoon Kim**, "Potent inhibitions of monoamine oxidase A and B by acacetin and its 7-O-(6-O-malonylglucoside) derivative from *Agastache rugosa*", (2017. 06. 19 Online; 11. 01), International Journal of Biological Macromolecules. 104, 547-553.
6. Yu Jin Jeong, Seung Cheol Baek, **Hoon Kim**, "Cloning and characterization of a novel intracellular serine protease (IspK) from *Bacillus megaterium* with a potential additive for detergents", (2017. 10. 31 Online; 2018. 03. 01), International Journal of Biological Macromolecules. 108, 808-816.
7. Jerad Suresh, Seung Cheol Baek, Surya Parakkot Ramakrishnan, **Hoon Kim**, Bijo Mathew, "Discovery of potent and reversible MAO-B inhibitors as furanochalcones", (2017. 11. 28 Online; 2018. 03. 01), International Journal of Biological Macromolecules. 108, 660-664.
8. Jong Min Oh, Jae Pil Lee, Seung Cheol Baek, Seul Gi Kim, Yang Do Jo, Jungho Kim, **Hoon Kim**, "Characterization of two extracellular β -glucosidases produced from the cellulolytic fungus *Aspergillus* sp. YDJ216 and their potential applications for the hydrolysis of flavone glycosides", (2018. 01. 12 Online; 05. 01), International Journal of Biological Macromolecules. 111, 595-603.
9. Seung Cheol Baek, Hyun Woo Lee, Hyung Won Ryu, Myung-Gyun Kang, Daeui Park, Soo Hyun Kim, Myoung-Lae Cho, Sei-Ryang Oh, **Hoon Kim**, "Selective inhibition of monoamine oxidase A by hispidol", (2018. 01. 31 Online; 02. 15), Bioorganic & Medicinal Chemistry Letters. 28, 584-588.
10. Jae Pil Lee, Hyun Woo Lee, Han Beur Na, Jun-Hee Lee, Yeo-Jin Hong, Jeong-Min Jeon, Eun Ju Kwon, Sung Kyum Kim, **Hoon Kim**, "Characterization of truncated endo- β -1,4-glucanases from a compost metagenomic library and their saccharification potentials", (2018. 04. 23 Online; 08. 01), International Journal of Biological Macromolecules 115, 554-562.
11. Seung Cheol Baek, Hyung Won Ryu, Myung-Gyun Kang, Hanna Lee, Daeui Park, Myoung-Lae Cho, Sei-Ryang Oh, **Hoon Kim**, "Selective inhibition of monoamine oxidase A by chelerythrine, an isoquinoline alkaloid", (2018. 06. 18 Online; 08. 01), Bioorganic & Medicinal Chemistry Letters. 28, 2403-2407.
12. Rani Sasidharan, Seung Cheol Baek, Sreedharannair Leelabaiamma Manju, **Hoon Kim**, Bijo Mathew, "Imidazole bearing chalcones as a new class of monoamine oxidase inhibitors", (2018. 06. 23 Online; 10. 1), Biomedicine & Pharmacotherapy. 106, 8-13.
13. Seung Cheol Baek, Mi Hyeon Park, Hyung Won Ryu, Jae Pil Lee, Myung-Gyun Kang, Daeui Park, Chul Min Park, Sei-Ryang Oh, **Hoon Kim**, "Rhamnocitrin isolated from *Prunus padus* var. *seoulensis*: A potent and selective reversible inhibitor of human monoamine oxidase A", (2018. 10. 28 Online; 2019. 03. 01), Bioorganic Chemistry. 83, 317-325.
14. Jong Min Oh, Yi Jeong Kim, Hyo-Seung Gang, Jin Han, Hyung-Ho Ha, **Hoon Kim**, "Antimicrobial activity of divaricatic acid isolated from the lichen *Evernia mesomorpha* against methicillin-resistant *Staphylococcus aureus*", (2018. 11. 23), Molecules. 23, 3068.
15. Seung Cheol Baek, Myung-Gyun Kang, Ji-Eun Park, Jae Pil Lee, Hanna Lee, Hyung Won Ryu, Chul Min Park, Daeui Park, Myoung-Lae Cho, Sei-Ryang Oh, **Hoon Kim**, "Osthenol, a prenylated coumarin, as a monoamine oxidase A inhibitor with high selectivity", (2019. 01. 18 Online; 3. 15), Bioorganic & Medicinal Chemistry Letters. 29, 839-843.
16. Jae Pil Lee, Myung-Gyun Kang, Joon Yeop Lee, Jong Min Oh, Seung Cheol Baek, Hyun Hee Leem, Daeui Park, Myoung-Lae Cho, **Hoon Kim**, "Potent inhibition of acetylcholinesterase by sargachromanol I from *Sargassum siliquastrum* and by selected natural compounds", (2019. 6. 6 Online; 8. 1), Bioorganic Chemistry 89, 103043



17. Jong Min Oh, Myung-Gyun Kang, Ahreum Hong, Ji-Eun Park, Soo Hyun Kim, Jae Pil Lee, Seung Cheol Baek, Daeui Park, Sang-Jip Nam, Myoung-Lae Cho, **Hoon Kim**, "Potent and selective inhibition of human monoamine oxidase-B by 4-dimethylaminochalcone and selected chalcone derivatives", (2019. 7. 2 Online; 9. 15), International Journal of Biological Macromolecules. 137, 426-432.
18. Della Grace Thomas Parambi, Jong Min Oh, Seung Cheol Baek, Jae Pil Lee, Anna Rita Tondo, Orazio Nicolotti, **Hoon Kim**, Bijo Mathew, "Design, synthesis and biological evaluation of oxygenated chalcones as potent and selective MAO-B inhibitors", (2019. 10. 3 Online), Bioorganic Chemistry. 93, 10335.
19. Jong Min Oh, Hyun-Jae Jang, Won Jun Kim, Myung-Gyun Kang, Seung Cheol Baek, Jae Pil Lee, Daeui Park, Sei-Ryang Oh, **Hoon Kim**, "Calycosin and 8-O-methylretusin isolated from *Maackia amurensis* as potent and selective reversible inhibitors of human monoamine oxidase-B", (2020. 2. 19 Online), International Journal of Biological Macromolecules. 151, 441-448.
20. Oh, J.M.; Rangarajan, T.M.; Chaudhary, R.; Singh, R.P.; Singh, M.; Singh, R.P.; Tondo, A.R.; Gambacorta, N.; Nicolotti, O.; Mathew, B.; **Kim, H.** "Novel class of chalcone oxime ethers as potent monoamine oxidase-B and acetylcholinesterase inhibitors". (2020. 05. 18 Online), Molecules, 25, 2356.
21. Jong Min Oh, Hyeon-Seong Lee, Seung Cheol Baek, Jae Pil Lee, Geum Seok Jeong, Man-Jeong Paik, **Hoon Kim**, "Antidepressant-like activities of hispidol and decursin in mice and analysis of neurotransmitter monoamines", (2020. 5. 21 Online; 2020. 12. 11) Neurochemical Research. 45, 1930-1940.
22. Naseer Maliyakkal, Bo Hyun Eom, Jeong Hyun Heo, Mohammad Ali Abdullah Almoyad, Della Grace Thomas Parambi, Nicola Gambacorta, Orazio Nicolotti, Asmy Appadath Beeran, **Hoon Kim**, and Bijo Mathew, "A new potent and selective monoamine oxidase-B inhibitor with extended conjugation in a chalcone framework: 1-[4-(Morpholin-4-yl)phenyl]-5-phenylpenta-2,4-dien-1-one", (2020. 6. 25 Online; 9. 3), ChemMedChem, 15, 1629-1633.
23. Geum Seok Jeong, Swafvan Kaipakasseri, Sang Ryong Lee, Najat Marraiki, Gaber El-Saber Batiha, Sanal Dev, Ashique Palakkathondi, Fathima Sahla Kavully, Nicola Gambacorta, Orazio Nicolotti, Bijo Mathew, **Hoon Kim**, "Selected 1,3-benzodioxine-containing chalcones as multipotent oxidase and acetylcholinesterase inhibitors", ChemMedChem (2020.9.13) 15, 2257-2263.
24. Geum Seok Jeong, Myung-Gyun Kang, Joon Yeop Lee, Sang Ryong Lee, Daeui Park, MyoungLae Cho, **Hoon Kim**, "Inhibition of butyrylcholinesterase and human monoamine oxidase-B by the coumarin glycyrol and liquiritigenin isolated from *Glycyrrhiza uralensis*", (2020. 8. 26), Molecules 25, 3896.
25. Ashique Palakkathondi, Jong Min Oh, Sanal Dev, T. M. Rangarajan, Swafvan Kaipakasseri, Fathima Sahla Kavully, Nicola Gambacorta, Orazio Nicolotti, **Hoon Kim**, Bijo Mathew, "(Hetero)-(arylidene)arylhydrazides as multitarget-directed monoamine oxidase inhibitors", ACS Comb. Sci. (2020.10.13), 22, 592-599.
26. Muhammed Çeçen, Jong Min Oh, Zeynep Özdemir, Saliha Ebru Büyüktuncel, Mehtap Uysal, Mohamed A. Abdelgawad, Arafa Musa, Nicola Gambacorta, Orazio Nicolotti, Bijo Mathew, **Hoon Kim**, "Design, synthesis, and biological evaluation of pyridazinones containing the (2-fluorophenyl) piperazine moiety as selective MAO-B inhibitors", (2020.11.17), Molecules, 25, 5371.
27. Jeong Hyun Heo, Bo Hyun Eom, Hyung Won Ryu, Myung-Gyun Kang, Jong Eun Park, Doo-Young Kim, Jung-Hee Kim, Daeui Park, Sei-Ryang Oh, **Hoon Kim**, "Acetylcholinesterase and butyrylcholinesterase inhibitory activities of khellactone coumarin derivatives isolated from *Peucedanum japonicum* Thurnberg", (2020.12.20), Scientific Reports 10, 21695.
28. Rani Sasidharan, Bo Hyun Eom, Jeong Hyun Heo, Jong Eun Park, Mohamed A. Abdelgawad, Arafa Musa, Nicola Gambacorta, Orazio Nicolotti, Sreedharannair Leelabaiamma Manju, Bijo Mathew, **Hoon Kim**, "Morpholine-based chalcones as dual-acting monoamine oxidase-B and acetylcholinesterase inhibitors: synthesis and biochemical investigations", Journal of Enzyme Inhibition and Medicinal Chemistry, (2021. 01.12), 36(1), 188-197.
29. Geum-Seok Jeong, Myung-Gyun Kang, Sang-Ah Han, Ji-In Noh, Jong-Eun Park, Sang-Jip Nam, Daeui Park, Sung-Tae Yee, **Hoon Kim**, "Selective inhibition of human monoamine oxidase B by 5-hydroxy-2-methyl-chroman-4-one isolated from an endogenous lichen fungus *Daldinia fissa*", Journal of Fungi (2021. 01. 26), 7, 84.
30. Aathira Sujathan Nair, Jong-Min Oh, Vishal Payyalot Koyiparambath, Sunil Kumar, Sachithra Thazhathuveedu Sudevan, Opeyemi Soremekun, Mahmoud E. Soliman, Ahmed Khames, Mohamed A. Abdelgawad, Leena K. Pappachen, Bijo Mathew, **Hoon Kim**, "Development of halogenated pyrazolines as selective monoamine oxidase-B inhibitors: Deciphering via molecular dynamics approach", Molecules 2021, 26, 3264.



● SCOPUS 학술지 게재 논문 (2017~현재)

1. Jae Pil Lee, Gu-Won Seo, Shin-Deuk An, Hoon Kim, "A cold-active acidophilic endoglucanase of *Paenibacillus* sp. Y2 isolated from soil in an alpine region", (2017. 9. 30) Journal of Applied Biological Chemistry. 60(3), 257-263.
2. Seung Cheol Baek, Bomee Choi, Sang-Jip Nam, Hoon Kim, "Inhibition of monoamine oxidase A and B by demethoxycurcumin and bisdemethoxycurcumin", (2018. 6. 30) Journal of Applied Biological Chemistry. 61(2), 187-190.
3. Seung Cheol Baek, Jeong Min Jo, Soo-Mi Jeong, Jae Pil Lee, Hyun Woo Lee, Jungho Kim, Hoon Kim, "Characterization of an alkaline esterase from an enriched metagenomic library derived from an oil-spill area", (2019. 3. 28) Journal of Applied Biological Chemistry. 62(1), 73-79.