

Curriculum Vitae
(Last updated: 2021-08-01)

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EDUCATION AND PROFESSIONAL EXPERIENCE

- 2020.3 – present **Assistant Professor**, School of Pharmacy and Department of Biopharmaceutical Convergence, Sungkyunkwan University, Korea
Research in *Natural Product Chemical Biology*
- 2016.4 – 2020.1 **Postdoctoral Associate**, Department of Chemistry, Yale University, USA
Advisor: Prof. Jason M. Crawford
Research in *Chemical Biology*
- 2015.3 – 2016.2 **Postdoctoral Researcher**, School of Pharmacy, Sungkyunkwan University, Korea
Advisor: Prof. Kang Ro Lee
Research in *Natural Product Chemistry*
- 2010.3 – 2015.2 **Ph.D.**, School of Pharmacy, Sungkyunkwan University, Korea
Advisor: Prof. Kang Ro Lee
Research in *Natural Product Chemistry*
- 2006.3 – 2010.2 **B.S.**, School of Pharmacy, Sungkyunkwan University, Korea
- 2003.3 – 2006.2 Incheon Science High School, Korea

RESEARCH INTERESTS

- Elucidation of structure and biosynthetic pathway of small molecules from human microbiome.
- Characterization of small molecules-mediated bacterial signaling pathways
- Discovery of lead compounds for new drug from natural sources

AWARDS AND HONORS

- 2015.12 Nam Kang Award (남강학술상), The Korean Society of Pharmacognosy
- 2014.12 Student Poster Award, The Korean Society of Pharmacognosy
- 2006.3 – 2010.2 Samsung Scholarship, Sungkyunkwan University

PUBLICATIONS (*, co-first; #, corresponding; IF: JCR 2020)

Representative papers

Xue, M.*; **Kim, C. S.***; Healy, A. R.; Wernke, K. M.; Wang, Z.; Frischling, M. C.; Shine, E. E.; Wang, W.; Herzon, S. B.#; Crawford, J. M.#

Structure elucidation of colibactin and its DNA cross-links.

Science 2019, 365, eaax2685. (IF: 47.728)

Kim, C. S.; Gatisos, A.; Cuesta, S.; Yick, C. L.; Wei, Z.; Chen, H.; Russell, R. M.; Shine, E. E.; Wang, R.; Wyche, T. P.; Piizzi, G.; Flavell, R. A.; Palm, N. W.; Sperandio, V.; Crawford, J. M.#

Characterization of autoinducer-3 structure and biosynthesis in *E. coli*.

ACS Cent. Sci. 2020, 6, 197-206. (IF: 14.553)

Kim, C. S.*; Li, J. -H.*; Barco, B.; Wei, Z.; Park, H. B.; Wang, R.; Wyche, T. P.; Piizzi, G.; Clay, N. K.; Crawford, J. M.#

Cellular stress upregulates indole signaling metabolites in *E. coli*.

Cell Chem. Biol. 2020, 27, 698-707.e7 (IF: 8.116)

Full list of papers

70. Vu, N. K.; Ha, M. T.; **Kim, C. S.**; Gal, M.; Kim, J. A.; Woo, M. H.; Lee, J.-H.; Min, B. S.#

Structural characterization of prenylated compounds from *Broussonetia kazinoki* and their antiosteoclastogenic activity.

Phytochemistry 2021, 188, 112791. (IF: 4.072)

69. Choi, Y. S.; Yoon, D. H.; **Kim, C. S.**; Lee, K. R.#

Stilbene oligomers from the stems of *Parthenocissus tricuspidata* and their potential anti-neuroinflammatory and neuroprotective activity.

Tetrahedron Lett. 2021, 71, 153027. (IF: 2.415)

68. Gatsios, A.; **Kim, C. S.**; Crawford, J. M.#

E. coli small molecule metabolism at the host-microbe interface.

Nat. Chem. Biol. in press (IF: 15.040) – **review**

67. Schorn, M. A.*; Verhoeven, S.*; Ridder, L., ... **Kim, C. S.**; ... Dorrestein, P. C.#; Medema, M. H.#; van der Hooft, J. J. J.#

A community resource for paired genomic and metabolomic data mining.

Nat. Chem. Biol. 2021, 17, 363-368. (IF: 15.040) – **comment**

66. Lee, S.*; **Kim, C. S.***; Yu, J. S.; Kang, H.; Yoo, M. J.; Youn, U. J.; Ryoo, R.; Bae, H. Y.; Kim, K. H.#

Ergopyrone, a styrylpyrone-fused steroid with a hexacyclic 6/5/6/6/6/5 skeleton from a mushroom *Gymnopilus orientispectabilis*.

Org. Lett. 2021, 23, 3315-3319. (IF: 6.005)

– selected as a Cover Page

65. Kim, D. H.; Subedi, L.; Kim, H. R.; Choi, S. U.; Kim, S. Y.; **Kim, C. S.**#

Phenolic constituents of Chinese Quince twigs (*Chaenomeles sinensis* Koehne) and their anti-neuroinflammatory, neurotrophic, and cytotoxic activities.

Antioxidants 2021, 10, 551. (IF: 6.312)

64. Cha, J. M.*; Lee, T. H.*; Subedi, L.; Ha, Y. J.; Kim, H. R.; Kim, S. Y.; Choi, S. U.; **Kim, C. S.**[#]
Isolation and structural characterization of four diastereomeric lignan glycosides from *Abies holophylla* and their neuroprotective activity.
Tetrahedron 2021, 77, 131735. (IF: 2.457)
63. Cha, J. M.*; Kim, D. H.*; Subedi, L.; Khan, Z.; Choi, S. U.; Kim, S. Y.; **Kim, C. S.**[#]
Chemical constituents of *Chaenomeles sinensis* twigs and their biological activity.
Beilstein J. Org. Chem. 2020, 16, 3078-3085. (IF: 2.883)
62. **Kim, C. S.**[#]; Oh, J.; Lee, T. H.
Structure elucidation of small organic molecules by contemporary computational chemistry methods.
Arch. Pharm. Res. 2020, 43, 1114-1127. (IF: 4.946) – review
61. Yu, J. S.; Li, C.; Kwon, M.; Oh, T.; Lee, T. H.; Kim, D. H.; Ahn, J. S.; Ko, S. K.; **Kim, C. S.**; Cao, S.[#]; Kim, K. H.[#]
Herqueilenone A, a unique rearranged benzoquinone-chromanone from the Hawaiian volcanic soil-associated fungal strain *Penicillium herquei* FT729.
Bioorg. Chem. 2020, 105, 104397. (IF: 5.275)
60. Cha, J. M.; Yoon, D.; Kim, S. Y.; **Kim, C. S.**; Lee, K. R.[#]
Neurotrophic and anti-neuroinflammatory constituents from the aerial parts of *Coriandrum sativum*.
Bioorg. Chem. 2020, 105, 104443. (IF: 5.275)
59. Lee, T. H.; Suh, W. S.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.; **Kim, C. S.**[#]
Three new oleanane-type triterpenoidal glycosides from *Impatiens balsamina* and their biological activity.
Plants-Basel 2020, 9, 1083. (IF: 3.935)
58. Park, H. B.*; Wei, Z.*; Oh, J.; Xu, H.; **Kim, C. S.**; Wang, R.; Wyche, T. P.; Piizzi, G.; Flavell, R. A.[#]; Crawford, J. M.[#]
Sulfamethoxazole drug stress upregulates antioxidant immunomodulatory metabolites in *Escherichia coli*.
Nat. Microbiol. 2020, 5, 1319-1329. (IF: 17.745)
57. Vu, N. K.*; **Kim, C. S.***; Ha, M. T.; Ngo, Q. -M. T.; Park, S. E.; Kwon, H.; Lee, D.; Choi, J. S.; Kim, J. A.[#]; Min, B. S.[#]
Antioxidant and antidiabetic activities of flavonoid derivatives from the outer skins of *Allium cepa* L.
J. Agric. Food Chem. 2020, 68, 8797-8811. (IF: 5.279)
56. Wernke, K. M.; Xue, M.; Tirla, A.; **Kim, C. S.**; Crawford, J. M.; Herzon, S. B.[#]
Structure and bioactivity of colibactin.
Bioorg. Med. Chem. Lett. 2020, 30, 127280. (IF: 2.823) – review
55. **Kim, C. S.***; Li, J. -H.*; Barco, B.; Wei, Z.; Park, H. B.; Wang, R.; Wyche, T. P.; Piizzi, G.; Clay, N. K.; Crawford, J. M.[#]
Cellular stress upregulates indole signaling metabolites in *E. coli*.
Cell Chem. Biol. 2020, 27, 698-707.e7 (IF: 8.116)
54. **Kim, C. S.**; Gatisos, A.; Cuesta, S.; Yick, C. L.; Wei, Z.; Chen, H.; Russell, R. M.; Shine, E. E.; Wang, R.; Wyche, T. P.; Piizzi, G.; Flavell, R. A.; Palm, N. W.; Sperandio, V.; Crawford, J. M.[#]
Characterization of autoinducer-3 structure and biosynthesis in *E. coli*.
ACS Cent. Sci. 2020, 6, 197-206. (IF: 14.553)

- Highlighted in *ACS Cent. Sci.* (2020, 6, 93-96) Yale News (<https://westcampus.yale.edu/news/scientists-zero-endgame-nasty-bacteria?refresh=2>), Phys Org News (<https://phys.org/news/2020-01-scientists-endgame-nasty-bacteria.html>), Health Canal (<https://www.healthcanal.com/infections/249907-scientists-zero-in-on-endgame-for-nasty-bacteria.html>)
53. Kim, M.; Ha, M. T.; **Kim, C. S.**; Park, S. E.; Kim, J. A.; Woo, M. H.; Choi, J. S.; Min, B. S.[#]
Tetra-aryl cyclobutane and stilbenes from the rhizomes of *Rheum undulatum* and their α -glucosidase inhibitory activity: Biological evaluation, kinetic analysis, and molecular docking simulation.
Bioorg. Med. Chem. Lett. 2020, 30, 127049. (IF: 2.823)
52. Xue, M.*; **Kim, C. S.***; Healy, A. R.; Wernke, K. M.; Wang, Z.; Frischling, M. C.; Shine, E. E.; Wang, W.; Herzon, S. B.[#];
Crawford, J. M.[#] Structure elucidation of colibactin and its DNA cross-links.
Science 2019, 365, eaax2685. (IF: 47.728)
- Highlighted in *Nat. Chem. Biol.* (2019, 15, 933), Chemical & Engineering News (<https://cen.acs.org/biological-chemistry/microbiome/Researchers-elucidate-colibactin-structure/97/i32>) and Yale News (<https://westcampus.yale.edu/yale-scientists-zero-atomic-driver-tumor-formation>)
 - Faculty Opinions recommended (formerly F1000Prime, <https://facultyopinions.com/prime/736388519>)
51. Healy, A. R.; Wernke, K. M.; **Kim, C. S.**; Lees, N. R.; Crawford, J. M.[#]; Herzon, S. B.[#]
Synthesis and reactivity of precolibactin 886.
Nat. Chem. 2019, 11, 890-898. (IF: 24.427)
- Highlighted in *Nat. Chem.* (2019, 11, 867-869)
50. Lee, S. R.; Lee, D.; Eom, H. J.; Rischer, M.; Ko, Y. –J.; Kang, K. S.; **Kim, C. S.**; Beemelmans, C.; Kim, K. H.[#]
Hybrid polyketides from a Hydractinia-associated *Cladosporium sphaerospermum* SW67 and their putative biosynthetic origin.
Mar. Drugs 2019, 60, 606. (IF: 5.118)
49. Kim, D. H.; **Kim, C. S.**; Subedi, L.; Kim, S. Y.; Lee, K. R.[#]
Alkaloids of NIRAM, natural dye from *Polygonum tinctorium*, and their anti-inflammatory activities.
Tetrahedron Lett. 2019, 60, 151130. (IF: 2.415)
48. Park, K. J.; **Kim, C. S.**; Khan, Z.; Oh, J.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]
Securinega alkaloids from the twigs of *Securinega suffruticosa* and their biological activities.
J. Nat. Prod. 2019, 82, 1345-1353. (IF: 4.050)
47. **Kim, C. S.**; Oh, J.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]
Rare thioglycosides from the roots of *Wasabia japonica*.
J. Nat. Prod. 2018, 81, 2129-2133. (IF: 4.050)
- Highlighted in *Nat. Prod. Res.* (2018, 35, 1236-1240)
46. **Kim, C. S.**; Oh, J.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

Structural characterization of terpenoids from *Abies holophylla* using computational and statistical methods and their biological activities.

J. Nat. Prod. 2018, 81, 1795-1802. (IF: 4.050)

45. **Kim, C. S.**; Oh, J.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

Two new phenolic glycosides from *Sorbus commixta*.

Chem. Pharm. Bull. 2018, 66, 839-842. (IF: 1.645)

44. **Kim, C. S.**; Subedi, L.; Oh, J.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

A new phenolic compound from *Salix glandulosa*.

Heterocycles 2018, 96, 931-942. (IF: 0.831)

43. Park, K. J.; Kim, D. H.; **Kim, C. S.**; Oh, J.; Subedi, L.; Son, M. W.; Choi, S. Z.; Kim, S. Y.; Lee, K. R.[#]

Isolation of indole alkaloid and anthranilic acid derivatives from Indigo Pulverata Levis.

Tetrahedron Lett. 2018, 59, 4380-4383. (IF: 2.415)

42. Oh, J.; Quan, K. T.; Lee, J. S.; Park, I.; **Kim, C. S.**; Ferreira, D.; Thuong, P. T.; Kim, Y. H.; Na, M.[#]
NMR-based investigation of hydrogen bonding in a dihydroanthracen-1(4H)one from *Rubia philippinensis* and its soluble epoxide hydrolase inhibitory potential.

J. Nat. Prod. 2018, 81, 2429-2435. (IF: 4.050)

41. **Kim, C. S.**; Subedi, L.; Oh, J.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

Bioactive triterpenoids from the twigs of *Chaenomeles sinensis*.

J. Nat. Prod. 2017, 80, 1134-1140. (IF: 4.050)

40. **Kim, C. S.**; Bae, M.; Oh, J.; Subedi, L.; Suh, W. S.; Choi, S. Z.; Son, M. W.; Kim, S. Y.; Choi, S. U.; Oh, D.-C.; Lee, K. R.[#]

Anti-neurodegenerative biflavonoid glycosides from *Impatiens balsamina*.

J. Nat. Prod. 2017, 80, 471-478. (IF: 4.050)

39. **Kim, C. S.**; Oh, J.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

Holophyllane A: A triterpenoid possessing an unprecedented B-nor-3,4-seco-17,14-friedo-lanostane architecture from *Abies holophylla*.

Sci. Rep. 2017, 7, 43646. (IF: 4.379)

38. **Kim, C. S.**; Oh, J.; Suh, W. S.; Jang, S. W.; Subedi, L.; Kim, S. Y.; Lee, K. R.[#]

Investigation of chemical constituents from *Spiraea prunifolia* var. *simpliciflora* and their biological activities.

Phytochem. Lett. 2017, 22, 255-260. (IF: 1.679)

37. Triparthi, P.*; Shine, E. E.*; Healy, A. R.; **Kim, C. S.**; Herzon, S. B.; Bruner, S. D.[#]; Crawford, J. M.[#]
ClbS is a cyclopropane hydrolase that confers colibactin resistance.

J. Am. Chem. Soc. 2017, 139, 17719-17722. (IF: 15.419)

– Highlighted in *Nat. Chem. Biol.* 2018, 14, 1. and *J. Am. Chem. Soc.* 2017, 139, 18123.

36. Suh, W. S.; **Kim, C. S.**; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]

Iridoid glycosides from the twigs of *Sambucus williamsii* var. *coreana* and their biological activities.

J. Nat. Prod. 2017, 80, 2502-2508. (IF: 4.050)

35. Nguyen, Q. T.*; Lee, D.-H.*; Oh, J.*; **Kim, C. S.**; Heo, K.-S.; Myung, C.-S.[#]; Na, M.[#]

Inhibition of proliferation of vascular smooth muscle cells by cucurbitanes from *Momordica charantia*.
J. Nat. Prod. 2017, 80, 2018-2025. (IF: 4.050)

34. Lim, S. Y.*; Subedi, L.*; Shin, D.; **Kim, C. S.**; Lee, K. R.; Kim, S. Y.[#]
A new neolignan derivative, balanophonin isolated from *Firmiana simplex* delays the progress of neuronal cell death by inhibiting microglial activation.
Biomol. Ther. 2017, 25, 519-527. (IF: 4.634)
33. **Kim, C. S.**; Subedi, L.; Kwon, O. W.; Park, H. B.; Kim, S. Y.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Wasabisides A-E, lignan glycosides from the roots of *Wasabia japonica*.
J. Nat. Prod. 2016, 79, 2652-2657. (IF: 4.050)
32. **Kim, C. S.**; Subedi, L.; Kim, S. Y.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Diterpenes from the trunk of *Abies holophylla* and their potential neuroprotective and anti-inflammatory activities.
J. Nat. Prod. 2016, 79, 387-394. (IF: 4.050)
31. **Kim, C. S.**; Suh, W. S.; Subedi, L.; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]
Neuroprotective fatty acids from the stem bark of *Sorbus commixta*.
Lipids 2016, 51, 989-995. (IF: 1.880)
30. **Kim, C. S.**; Subedi, L.; Kwon, O. K.; Kim, S. Y.; Yeo, E. -J.; Choi, S. U.; Lee, K. R.[#]
Isolation of bioactive biphenyl compounds from the twigs of *Chaenomeles sinensis*.
Bioorg. Med. Chem. Lett. 2016, 26, 351-354. (IF: 2.823)
29. Kwon, O. K.; **Kim, C. S.**; Suh, W. S.; Park, K. J.; Cha, J. M.; Choi, S. U.; Kwon, H. C.; Lee, K. R.[#]
Phenolic compounds from the twigs of *Corylopsis coreana* uyeki and their cytotoxic activity.
Kor. J. Pharmacogn. 2016, 47, 1-6.
28. Suh, W. S.; Lee, S. R.; **Kim, C. S.**; Moon, E.; Kim, S. Y.; Choi, S. U.; Kang, K. S.; Lee, K. R.; Kim, K. H.[#]
A new monoacylglycerol from the fruiting bodies of *Gymnopilus spectabilis*.
J. Chem. Res. 2016, 40, 156-159. (IF: 0.782)
27. Son, D.; **Kim, C. S.**; Lee, K. R.; Park, H.-J.[#]
Identification of new quinic acid derivatives as histone deacetylase inhibitors by fluorescence-based cellular assay.
Bioorg. Med. Chem. Lett. 2016, 26, 2365-2369. (IF: 2.823)
26. **Kim, C. S.**; Subedi, L.; Kim, S. Y.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Lignan glycosides from the twigs of *Chaenomeles sinensis* and their biological activities.
J. Nat. Prod. 2015, 78, 1174-1178. (IF: 4.050)
25. **Kim, C. S.**; Moon, E.; Choi, S. U.; Kim, S. Y.; Lee, K. L.; Kim, K. H.[#]
Cytotoxic and anti-inflammatory disulfide compounds from the fruiting bodies of *Boletus pseudocalopus*.
J. Antibiot. 2015, 68, 414-416. (IF: 2.649)
24. **Kim, C. S.**; Subedi, L.; Kim, S. Y.; Choi, S. U.; Choi, S. Z.; Son, M. W.; Kim, K. H.; Lee, K. R.[#]
Two new phenolic compounds from the white flower of *Impatiens balsamina*.
Phytochem. Lett. 2015, 14, 215-220. (IF: 1.679)

23. **Kim, C. S.**; Subedi, L.; Park, K. J.; Kim, S. Y.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Salicin derivatives from *Salix glandulosa* and their biological activities.
Fitoterapia, 2015, 106, 147-152. (IF: 2.882)
22. Kim, K. H.; **Kim, C. S.**; Park, Y. J.; Moon, E.; Choi, S. U.; Lee, J. H.; Kim, S. Y.; Lee, K. R.[#]
Anti-inflammatory and antitumor phenylpropanoid sucrosides from the seeds of *Raphanus sativus*.
Bioorg. Med. Chem. Lett. 2015, 25, 96-99. (IF: 2.823)
21. Kim, K. H.; Kang, H. R.; Eom, H. J.; **Kim, C. S.**; Choi, S. U.; Lee, K. R.[#]
A new aliphatic alcohol and cytotoxic chemical constituents from *Acorus gramineus* Rhizomes.
Biosci. Biotechnol. Biochem. 2015, 79, 1402-1405. (IF: 2.043)
20. Jang, S. W.; Suh, W. S.; **Kim, C. S.**; Kim, K. H.; Lee, K. R.[#]
A new phenolic glycoside from *Spiraea prunifolia* var. *simpliciflora* twigs.
Arch. Pharm. Res. 2015, 38, 1943-1951. (IF: 4.946)
19. Kim, K. H.; Moon, E.; Cha, J. M.; Lee, S.; Yu, J. S.; **Kim, C. S.**; Kim, S. Y.; Choi, S. U.; Lee, K. R.[#]
Antineuroinflammatory and antiproliferative activities of constituents from *Tilia amurensis*.
Chem. Pharm. Bull. 2015, 63, 837-842. (IF: 1.645)
18. Roh, H. J.; Noh, H. J.; **Kim, C. S.**; Kim, K. H.; Hong, C. Y.; Lee, K. R.[#]
Phenolic compounds from the leaves of *Stewartia pseudocamellia* Maxim. and their whitening activities.
Biomol. Ther. 2015, 23, 283-289. (IF: 4.634)
17. **Kim, C. S.**; Kwon, O. W.; Kim, S. Y.; Choi, S. U.; Kim, J. Y.; Han, J. Y.; Choi, S. I.; Choi, J. G.; Kim, K. H.; Lee, K. R.[#]
Phenolic Glycosides from the Twigs of *Salix glandulosa*.
J. Nat. Prod. 2014, 77, 1955-1961. (IF: 4.050)
16. **Kim, C. S.**; Shin, B.; Kwon, O. W.; Kim, S. Y.; Choi, S. U.; Oh, D. C.; Kim, K. H.; Lee, K. R.[#]
Holophyllin A, a rearranged abietane-type diterpenoid from the trunk of *Abies holophylla*.
Tetrahedron Lett. 2014, 55, 6504-6507. (IF: 2.415)
15. **Kim, C. S.**; Kwon, O. W.; Kim, S. Y.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Five new oxylipins from *Chaenomeles sinensis*.
Lipids 2014, 49, 1151-1159. (IF: 1.880)
14. **Kim, C. S.**; Suh, W. S.; Choi, S. U.; Kim, K. H.; Lee, K. R.[#]
Two new diterpenoids from *Thuja orientalis* and their cytotoxicity.
Bull. Korean Chem. Soc. 2014, 35, 2855-2858. (IF: 0.969)
13. **Kim, C. S.**; Kwon, O. W.; Kim, S. Y.; Kim, K. H.; Lee, K. R.[#]
A new cyclic triterpene saponin from *Phyteuma japonicum*.
Heterocycles 2014, 89, 1913-1922. (IF: 0.831)
12. **Kim, C. S.**; Kwon, O. W.; Kim, S. Y.; Lee, K. R.[#]
Flavonoid glycosides from *Hosta longipes*, their inhibition on NO production, and nerve growth factor inductive effects.
J. Braz. Chem. Soc. 2014, 25, 907-912. (IF: 1.838)
11. **Kim, C. S.**; Kim, K. H.; Lee, K. R.[#]

Phytochemical constituents of the leaves of *Hosta longipes*.
Nat. Prod. Sci. 2014, 20, 86-90.

10. Cho, H. K.; **Kim, C. S.**; Woo, K. W.; Lee, K. R.[#]
A new triterpene saponin from the tubers of *Stachys sieboldii*.
Bull. Korean Chem. Soc. 2014, 35, 1553-1555. (IF: 0.969)
9. Cho, H. K.; **Kim, C. S.**; Suh, W. S.; Kim, K. H.; Lee, K. R.[#]
Two new triterpene saponins from the tubers of *Stachys sieboldii*.
Heterocycles 2014, 89, 2619-2626. (IF: 0.831)
8. **Kim, C. S.**, Kim, S. Y.; Moon, E.; Lee, M. K.; Lee, K. R.[#]
Steroidal constituents from the leaves of *Hosta longipes* and their inhibitory effects on nitric oxide production.
Bioorg. Med. Chem. Lett. 2013, 23, 1771-1775. (IF: 2.823)
7. **Kim, C. S.**; Kwon, O. W.; Kim, S. Y.; Lee, K. R.[#]
Bioactive lignans from the trunk of *Abies holophylla*.
J. Nat. Prod. 2013, 76, 2131-2135. (IF: 4.050)
6. **Kim, C. S.**; Oh, J. Y.; Choi, S. U.; Lee, K. R.[#]
Chemical constituents from the roots of *Cynanchum paniculatum* and their cytotoxic activity.
Carbohydr. Res. 2013, 381, 1-5. (IF: 2.104)
5. Kim, K. H.; Moon, S. R.; **Kim, C. S.**; Woo, K. W.; Choi, S. U.; Lee, K. R.[#]
Lignan glucosides from *Sinomenium acutum* rhizomes.
Biosci. Biotechnol. Biochem. 2013, 77, 2144-2147. (IF: 2.043)
4. Lee, S. Y.; Woo, K. W.; **Kim, C. S.**; Lee, D. U.; Lee, K. R.[#]
New lignans from the aerial parts of *Rudbeckia laciniata*.
Helv. Chim. Acta 2013, 96, 320-325. (IF: 2.164)
3. Oh, J. Y.; **Kim, C. S.**; Lee, K. R.[#]
C21 Steroidal glycosides from the root of *Cynanchum paniculatum*.
Bull. Korean Chem. Soc. 2013, 34, 637-640. (IF: 0.969)
2. **Kim, C. S.**; Choi, S. U.; Lee, K. R.[#]
Three new diterpenoids from the leaves of *Thuja orientalis*.
Planta Med. 2012, 78, 485-487. (IF: 3.352)
1. Kim, K. H.; Choi, S. U.; **Kim, C. S.**; Lee, K. R.[#]
Cytotoxic steroids from the trunk of *Berberis koreana*.
Biosci. Biotechnol. Biochem. 2012, 76, 825-827. (IF: 2.043)

PATENTS

1. 전나무 추출물로부터 분리하여 동정한 신규한 리그난 유도체 및 이의 용도. 김선여, 이강노, **김충섭**, 수베디 라리타, 도문호. 10-1934630 (2018. 12. 26)

2. 전나무 메탄올 추출물, 이의 분획물 또는 이들로부터 분리한 화합물을 포함하는 최종당화산물 관련 질환의 예방 또는 치료용 조성물. 김선여, 이강노, 김충섭, 도문호, 이재혁. 10-1899234 (2018. 09. 10)
3. 전나무 추출물로부터 분리하여 동정한 신규한 다이테르펜 유도체 및 이의 용도. 김선여, 이강노, 김충섭, 수베디 라리타, 도문호. 10-1849399 (2018. 04. 10)
4. 전나무 추출물로부터 분리하여 동정한 신규한 트리테르펜 유도체 및 이의 용도. 김선여, 이강노, 김충섭, 수베디 라리타, 도문호. 10-1815776 (2017. 12. 29)

ORAL PRESENTATION

1. Characterization of autoinducer-3 biosynthesis in *E. coli*. 2019 Annual Meeting of the American Society of Pharmacognosy, July 13-17, 2019, Monona Terrace, Madison, WI 53703, USA.
2. Structure, biosynthesis, mode of action, and total synthesis of colibactin, a genotoxic secondary metabolite from human gut microbiome. Invited talk. May 8, 2019, Sungkyunkwan University, Korea.
3. Structure, biosynthesis, mode of action, and total synthesis of colibactin, a genotoxic secondary metabolite from human gut microbiome. Invited talk. May 7, 2019, Seoul National University, Korea.
4. Deciphering Host-Bacteria Interactions through Small Molecules. Invited talk. January 16, 2018, Sungkyunkwan University, Korea.
5. Deciphering Host-Bacteria Interactions through Small Molecules. Invited talk. January 15, 2018, Duksung Women's University, Korea.
6. Phytochemical constituents of *Abies holophylla* and *Chaenomeles sinensis* and their biological activity. 2015 Annual Meeting and Conference of the Korean Society of Pharmacognosy, December 3, 2015, The K Seoul Hotel, Seoul, Korea.