



•Field Biochemistry and Organic Chemistry
•Office College of Engineering 1346
•Name Lee, Jeong-tae
•Tel 033-248-2071
•Title Associate Professor
•email JTSHL@hallym.ac.kr

Educational Background

- 1999-2006
University of Texas at Austin
(Ph.D., Medical Chemistry, College of Pharmacy)
- 1994-1996
Hanyang University
(Master of Science – Industrial Chemistry)
- 1990-1994
Hanyang University
(Bachelor of Science – Industrial Chemistry)

Major Careers

- 2015-2016
Visiting Professor, School of Medicine
Stanford University
- 2006-2009: Post-Doc., Stanford University

Publications

- J. H. Yoon, W. R. Lee, J. T. Lee, J. H. Song, G. Lee*, K.S. Lim*, "Design and Synthesis of Novel Lanthanide MOFs by Unique In-situ Organic and Inorganic Reactions", Bulletin of the Korean Chemical Society, 2022, 43(9), 1136-1140.
- J. Nganga, Y. J. Jung, W. O. Choi, H. Lee, J. T. Lee*, J. K. Lee*, "Dibromorhodamine²⁺-based photoredox catalysis under visible light for the colorimetric detection of Hg(II) ion", Bulletin of the Korean Chemical Society, 2022, 43(7), 946-950.
- H.-Y. Kim, H. J. Lee, G. Zuo, S. H. Hwang, J. S. Park, J. S. Hong, K. H. Kim, S. S. Montero, D.-K. Yi, J. T. Lee, H.-W. Suh, S. S. Lim*, "Antinociceptive activity of the *Caesalpinia eriostachys* Benth. ethanolic extract, fractions, and isolated compounds in mice", Food Science & Nutrition, 2022, 10(7), 2381-2389.
- K. Damodar, S. Shin, S. H. Jeon*, J. T. Lee*, "First synthesis of tabamides A-C and their derivatives:

in vitro nitric oxide inhibitory activity", *Tetrahedron Letters*, 2021, 85, 153482.

- K. Y. Nam, K. Damodar, Y. Lee, L. S. Park, J. G. Gim, J. P. Park, S. H. Jeon*, J. T. Lee*, "Design and Synthesis of π -Extended Resveratrol Analogues and In Vitro Antioxidant and Anti-Inflammatory Activity Evaluation", *Molecules*, 2021, 26(3), 646.
- H. R. Woo, K. Damodar, Y. Lee, S.-S. Lim, S. H. Jeon*, J. T. Lee*, "Discovery of Epinastine-NSAID Hybrids as Potential Anti-inflammatory Agents: Synthesis and In Vitro Nitric Oxide Production Inhibitory Activity Study", *Journal of the Korean Chemical Society*, 2020, 64(2), 79-83.
- J. M. Lee, K. Damodar, Y. Lee, H. R. Woo, H. W. Suh, S. H. Jeon,* J. T. Lee*, "Novel Hybrid Molecules of Epinastine and Mefenamic Acid for Bioactive Assessment as Potential Anti-inflammatory Agents", *Bulletin of the Korean Chemical Society*, 2020, 41(4), 444-449.
- J. Heo, J. H. Oh, J. T. Lee, Q. He, J. Sessler, S. K. Kim*, "Phenanthroline-Strapped Calix[4]pyrroles: Anion Receptors Displaying Affinity Reversal as a Function of Solvent Polarity", *Organic Chemistry Frontiers*, 2020, 7(3), 548-556.
- M. I. Sanchez†, L. E. de Vries, C. Lehmann, J. T. Lee†, K. K. Ang, C. Wilson, S. Chen, M. R. Arkin, M. Bogoyo, E. Deu*, "Identification of Plasmodium dipeptidyl aminopeptidase allosteric inhibitors by high throughput screening", *PLoS ONE*, 2019, 14(12): e0226270.
- J. Yoon, Y. J. Jung, J. B. Yoon, K. Damodar, H. Kim, M. Shin, M. Seo, D. W. Cho, J. T. Lee*, J. K. Lee*, "The heavy-atom effect on xanthene dyes for photopolymerization by visible light", *Polymer Chemistry*, 2019, 10(42), 5737-5742.
- J. M. Lee, K. Damodar, Y. Lee, J.-Y. Lee, S. H. Jeon,* J. T. Lee,* "Synthesis and Biological Assay of Hybrids between Epinastine and Salicylic acid as Promising Nitric Oxide Production Inhibitors", *Bulletin of the Korean Chemical Society*, 2019, 40(8), 735-740.
- S. Park, J. T. Lee, J. Kim, "Photocatalytic oxidation of urea on TiO₂ in water and urine: mechanism, product distribution, and effect of surface platinization", *Environmental Science and Pollution Research*, 2019, 26(2), 1044-1053.
- Synthesis and Biological Evaluation of Hybrids of Epinastine and Salicylic acid as Potential Nitric Oxide Production Inhibitors [Bulletin of the Korean Chemical Society, SCI, 공동(교신), 2019]
- Photocatalytic oxidation of urea on TiO₂ in water and urine: mechanism, product distribution, and effect of surface platinization [Environmental Science and Pollution Research, SCI, 공동(참여), 2019]

- Synthesis and in vitro evaluation of homoisoflavonoids as potent inhibitors of nitric oxide production in RAW-264.7 cells [Bioorganic & Medicinal Chemistry Letters, SCI, 공동(교신), 2018]
- Substituents modification of meso-aryl BODIPYs for tuning photophysical properties [Tetrahedron, SCI, 공동(교신), 2018]
- Enantioselective synthesis and antioxidant activity of 3,4,5-substituted piperidine derivatives [Bioorganic & Medicinal Chemistry Letter, SCI, 공동(교신), 2016]
- Recent Advancements in Calix [4]pyrrole-Based Anion-Receptor Chemistry [EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, SCI, 공동(참여),2015]
- Syntheses of Resveratrol Analogues and Evaluation of Their Antioxidant Activity [BULLETIN OF THE KOREAN CHEMICAL SOCIETY, SCI, 공동(교신) ,2014]
- Displacement-based, chromogenic calix[4]pyrrole-indicator complex for selective sensing of pyrophosphate anion[Tetrahedron Letter, SCI, 공동(교신),2013]