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Google Scholar: <http://scholar.google.com/citations?user=v03dhywAAAAJ&hl=en&oi=sra>

❖ EDUCATION AND EMPLOYMENTS

- | | |
|---|-------------------------------------|
| 08/2016-present
<i>Department of Chemistry, Mississippi State University</i> | Assistant Professor |
| 08/2015-08/2016
<i>Department of Natural Sciences, Baruch College at the City University of New York</i> | Assistant Professor |
| 08/2012-08/2015
<i>Department of Chemistry, University of South Florida
Advisor: Prof. X. Peter Zhang</i> | Research Assistant Professor |
| 09/2008-08/2012
<i>Department of Chemistry, University of South Florida
Advisor: Prof. X. Peter Zhang</i> | Postdoctoral Associate |
| 09/2003-07/2008
<i>Department of Chemistry, University of Science and Technology of China
Advisor: Prof. Qing-Xiang Guo</i> | Ph.D. |
| 09/1999-07/2003
<i>Department of Chemistry, University of Science and Technology of China
Advisor: Prof. Qing-Xiang Guo</i> | B.S. |

❖ HONORS AND AWARDS

- | | |
|------|---|
| 2020 | NSF CAREER Award (CHE-1945425) |
| 2020 | Thieme Chemistry Journals Award |
| 2017 | Mississippi State University (MSU) CTL Teaching Improvement and Innovation Grant |
| 2015 | The Professional Staff Congress-City University of New York (PSC-CUNY) Research Award |
| 2012 | University of South Florida (USF) Postdoctoral Scholar Research Grant |
| 2007 | “Dong-Gang Scholarship” for Graduate Students, USTC |
| 2006 | “Dong-Gang Scholarship” for Graduate Students, USTC |

❖ JOURNAL PUBLICATIONS

Summary: *Publications: 32; Book chapters: 4; Patent: 1;*

Total citations: 2002; h-index: 21; i10-index: 28.

1. Qian X.; Zhou, H.; Chaminda Lakmal, H. H.; Lucore, J.; Wang, X.; Valle, U. H.; Donnadiou, B.; Xu X.; **Cui X.*** “Fe(III)-Based Tandem Catalysis for Amidomethylative Multiple Substitution Reactions of

- α -Substituted Styrene Derivatives” *ACS Catal.* **2020**, *10*, 10627. [[link](#)]
- Li, Z.-Y.; Chaminda Lakmal, H. H.; Qian X.; Zhu, Z.; Donnadieu, B.; McClain, S. J.; Xu X.; **Cui X.*** “Ruthenium-Catalyzed Enantioselective C–H Functionalization: A Practical Access to Optically Active Indoline Derivatives” *J. Am. Chem. Soc.* **2019**, *141*, 15730. [[link](#)] (**Highlighted** by *Synfacts* 2020, 16, 0013.)
 - Li, Z. Y.; Chaminda Lakmal, H. H.; **Cui X.*** “Enabling Catalytic Arene C–H Amidomethylation via Bis(tosylamido)methane as a Sustainable Formaldimine Releaser” *Org. Lett.* **2019**, *21*, 3735. [[link](#)]
 - Zhang, X.; Qiu, X.; Rong, J.; Su, Z.; **Cui, X.***; Tao C.* “Aryldiazonium ion initiated C–N bond cleavage for versatile, efficient and regioselective ring-opening of aziridines” *Org. Chem. Front.* **2019**, *6*, 1832. [[link](#)]
 - Hu, Y.; Lang, K.; Li, C.-Q.; Gill, J. B.; Kim, I.; Lu, H.-J.; Fields, K. B.; Marshall, M. K.; Cheng, Q.-G.; **Cui, X.**; Wojtas, L.; Zhang, X. P. “Enantioselective Radical Construction of 5-Membered Cyclic Sulfonamides by Metalloradical C–H Amination” *J. Am. Chem. Soc.* **2019**, *141*, 18160. [[link](#)]
 - Hu, Y.; Lang, K.; Tao, J.; Marshall, M. K.; Cheng, Q.; **Cui, X.**; Wojtas, L.; Zhang, X. P. “Next-Generation D_2 -Symmetric Chiral Porphyrins for Cobalt(II) - Based Metalloradical Catalysis: Catalyst Engineering by Distal Bridging” *Angew. Chem. Int. Ed.* **2019**, *58*, 2670. [[link](#)]
 - Chaminda Lakmal, H. H.; Xu, J. X.; Xu, X.; Ahmed, B.; Fong, C.; Szalda, J. D.; Ramig, K.; Sygula, A.; Webster, E. C.; Zhang, D.; **Cui X.*** “Synthesis of C-Unsubstituted 1,2-Diazetidines and Their Ring-Opening Reactions via Selective N–N Bond Cleavage” *J. Org. Chem.* **2018**, *83*, 9497. [[link](#)]
 - Wang, Y.; Wen, X.; **Cui, X.**; Zhang, X. P. “Enantioselective Radical Cyclization for Construction of 5-Membered Ring Structures by Metalloradical C–H Alkylation” *J. Am. Chem. Soc.* **2018**, *140*, 4792. [[link](#)]
 - Zhou, H.; Chaminda Lakmal, H. H.; Baine, M. J.; Valle, U. H.; Xu, X.; **Cui, X.*** “Catalytic [2 + 2 + 2] cycloaddition with indium(III)-activated formaldimines: a practical and selective access to hexahydropyrimidines and 1,3-diamines from alkenes” *Chem. Sci.* **2017**, *8*, 6520. [[link](#)]
 - Xu, X.; Wang, Y.; **Cui, X.**; Wojtas, L.; Zhang, X. P. “Metalloradical Activation of α -Formyldiazoacetates for Catalytic Asymmetric Radical Cyclopropanation of Alkenes” *Chem. Sci.* **2017**, *8*, 4347. [[link](#)]
 - Wang, Y.; Wen, X.; **Cui, X.**; Wojtas, L.; Zhang, X. P. “Asymmetric Radical Cyclopropanation of Alkenes with In Situ-Generated Donor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis” *J. Am. Chem. Soc.* **2017**, *139*, 1049. [[link](#)]
 - Cui, X.**; Xu, X.; Jin, L. M.; Wojtas, L.; Zhang, X. P. “Stereoselective Radical C–H Alkylation with Acceptor/Acceptor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis”, *Chem. Sci.* **2015**, *6*, 1219. [[link](#)]
 - Goswami, M.; Lyaskovskyy, V.; Domingos, S.; Buma, W. J.; Woutersen, S.; Troeppner, O.; Ivanović-Burmazović, I.; Lu, H.; **Cui, X.**; Zhang, X. P.; Reijerse, E.; DeBeer, S.; van Schooneveld, M.; Pfaff, F.; Ray, K.; de Bruin, B. “Characterization of Porphyrin-Co(III)-‘Nitrene Radical’ Species Relevant in Catalytic Nitrene Transfer Reactions”, *J. Am. Chem. Soc.* **2015**, *137*, 5468. [[link](#)]
 - Subbarayan V; Jin, L. M.; **Cui, X.**; Zhang, X. P. “Room temperature activation of aryloxysulfonyl azides by [Co(II)(TPP)] for selective radical aziridination of alkenes via metalloradical catalysis”, *Tetrahedron Lett.* **2015**, *56*, 3431. [[link](#)]
 - Paul, N. D.; Mandal, S.; Otte, M.; **Cui, X.**; Zhang, X. P.; de Bruin, B. “A Metalloradical Approach to 2H-Chromenes”, *J. Am. Chem. Soc.* **2014**, *136*, 1090. [[link](#)]
 - Jin, L. M.; Lu, H. J.; Cui, Y.; Lizardi, C. L.; Arzua, T. N.; Wojtas, L.; **Cui, X.**; Zhang, X. P. “Selective radical amination of aldehydic C(sp²)-H bonds with fluoroaryl azides via Co(II)-based metalloradical catalysis: synthesis of *N*-fluoroaryl amides from aldehydes under neutral and nonoxidative conditions”, *Chem. Sci.* **2014**, *5*, 2422. [[link](#)]

17. Ruppel, J. V.; **Cui, X.**; Xu, X.; Zhang, X. P. "Stereoselective Intramolecular Cyclopropanation of α -Diazoacetates via Co(II)-Based Metalloradical Catalysis" *Org. Chem. Front.* **2014**, *1*, 515. [[link](#)]
18. Xu X., Zhu, S.-F.; **Cui, X.**; Wojtas, L.; Zhang, X. P. "Cobalt(II)-Catalyzed Asymmetric Olefin Cyclopropanation with α -Ketodiazoacetates", *Angew. Chem. Int. Ed.* **2013**, *52*, 11857. [[link](#)]
19. Jin, L.-M.; Xu, X.; Lu, H.; **Cui, X.**; Wojtas, L.; Zhang, X. P. "Effective Synthesis of Chiral *N*-Fluoroaryl Aziridines through Enantioselective Aziridination of Alkenes with Fluoroaryl Azides", *Angew. Chem. Int. Ed.* **2013**, *52*, 5309. [[link](#)]
20. **Cui, X.**; Xu, X.; Wojtas, L.; Kim, M. M.; Zhang, X. P. "Regioselective Synthesis of Multisubstituted Furans via Metalloradical Cyclization of Alkynes with α -Diazocarbonyls: Construction of Functionalized α -Oligofurans", *J. Am. Chem. Soc.* **2012**, *134*, 19981. [[link](#)] (**Highlighted** by [Synform](#): DOI: 10.1055/s-0032-1318334)
21. Zhu, S.-F.; **Cui, X.**; Zhang, X. P. "Ligand Effect on Cobalt(II)-Catalyzed Asymmetric Cyclopropanation with Diazosulfones-Approaching High Stereoselectivity through Modular Design of D_2 -Symmetric Chiral Porphyrins", *Eur. J. Inorg. Chem.* **2012**, 430. [[link](#)]
22. **Cui, X.**; Xu, X.; Lu, H.-J.; Zhu, S.-F.; Wojtas, L.; Zhang, X. P. "Enantioselective Cyclopropanation of Alkynes with Acceptor/Acceptor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis", *J. Am. Chem. Soc.* **2011**, *133*, 3304. [[link](#)] (**Highlighted** by [Synfacts](#) 2011, 5, 0525.)
23. Xu, X.; Lu, H.-J.; Ruppel, J. V.; **Cui, X.**; de Mesa, S. L.; Wojtas, L.; Zhang, X. P. "Highly Asymmetric Intramolecular Cyclopropanation of Acceptor-Substituted Diazoacetates by Co(II)-Based Metalloradical Catalysis: Iterative Approach for Development of New-Generation Catalysts", *J. Am. Chem. Soc.* **2011**, *133*, 15292. [[link](#)] (**Highlighted** by [Synfacts](#) 2012, 8(1), 0064.)
24. **Cui, X.**; Li, J.; Fu, Y.; Liu, L.; Guo, Q.-X. "Regioselective Pd-Catalyzed Indolization of 2-Bromoanilines with Internal Alkynes using Phosphine-free Ligands", *Tetrahedron Lett.* **2008**, *49*, 3458. [[link](#)]
25. **Cui, X.**; Li, J.; Zhang, Z.-P.; Fu, Y.; Liu, L.; Guo, Q.-X. "Pd(quinoline-8-carboxylate)₂ as a Low-priced, Phosphine-free Catalyst for Heck and Suzuki Reactions", *J. Org. Chem.* **2007**, *72*, 9342. [[link](#)]
26. **Cui, X.**; Zhou, Y.; Wang, N.; Liu, L.; Guo, Q.-X. "*N*-Phenylurea as an inexpensive and efficient ligand for Pd-catalyzed Heck and room-temperature Suzuki reactions", *Tetrahedron Lett.* **2007**, *48*, 163. [[link](#)]
27. **Cui, X.**; Li, Z.; Tao, C.-Z.; Xu, Y.; Li, J.; Liu, L.; Guo, Q.-X. "*N,N*-Dimethyl- β -alanine as an inexpensive and efficient ligand for palladium-catalyzed Heck reaction", *Org. Lett.* **2006**, *8*, 2467. [[link](#)]
28. **Cui, X.**; Qin, T.; Wang, J.-R.; Liu, L.; Guo, Q.-X. "Pd(*N,N*-dimethyl- β -alaninate)₂ as a high-turnover-number, phosphine-free catalyst for the Suzuki reaction", *Synthesis*, **2007**, *3*, 393. [[link](#)]
29. **Cui, X.**; Li, J.; Liu, L.; Guo, Q.-X. "*1,3*-Dicarbonyl compounds as phosphine-free ligands for Pd-catalyzed Heck and Suzuki reactions", *Chin. Chem. Lett.* **2007**, *18*, 625. [[link](#)]
30. Tao, C.-Z.; Li, J.; **Cui, X.**; Fu, Y.; Liu, L.; Guo, Q.-X. "Cu-catalyzed cross-couplings under ligandless conditions", *Chin. Chem. Lett.* **2007**, *18*, 1199. [[link](#)]
31. Tao, C.-Z.; **Cui, X.**; Li, J.; Liu, A.-X.; Liu, L.; Guo, Q.-X. "Copper-catalyzed synthesis of aryl azides and *1*-aryl-*1,2,3*-triazoles from boronic acids", *Tetrahedron Lett.* **2007**, *48*, 3525. [[link](#)]
32. Wang, J.-R.; Fu, Y.; Zhang, B.-B.; **Cui, X.**; Liu, L.; Guo, Q.-X. "Palladium-Catalyzed Aerobic Oxidation of Amines", *Tetrahedron Lett.* **2006**, *47*, 8293. [[link](#)]

❖ PATENTS

1. **Cui, X.**; Li, Z.-Y.; Chaminda Lakmal, H. H. "Synthesis of Optically Active Indoline Derivatives via Ruthenium(II)-Catalyzed Enantioselective C-H Functionalization" Provisional patent filed May 2020.

❖ BOOK CHAPTERS AND REVIEW ARTICLES

1. Cui, X.; Zhang, X. P. "C–C Bond Formation Using Carbenes" In *Science of Synthesis: Catalytic Transformations via C–H Activation* series; eds. Yu, J. -Q.; Thieme, **2016**, Vol. 2, pp. 63–94. [[link](#)]
2. Cui, X.; Zhang, X. P. "Asymmetric C–H Functionalization by Transition Metal-Catalyzed Carbene Transfer Reactions" In *Comprehensive Organic Synthesis 2nd Edition*; eds. Knochel, P.; Molander, G. A.; Amsterdam: Elsevier, **2014**, Vol. 7, pp. 86–120. [[link](#)]
3. Cui, X.; Zhang, X. P. "Cobalt-Mediated Carbene Transfer Reactions" In *Contemporary Carbene Chemistry*; eds. Moss, R. A.; Doyle, M. P.; John Wiley & Sons, **2013**, Chapter 15. pp. 491-525. [[link](#)]
4. Cui, X.; Zhang, X. P. "Iron(III) *meso*-Tetraphenylporphine Chloride" e-EROS Encyclopedia of Reagents for Organic Synthesis, John Wiley & Sons, **2011**, ([link](#)) DOI: 10.1002/047084289X.rm01388.

❖ SELECTED SEMINARS AND PRESENTATIONS

1. Cui, X. "Ruthenium-Catalyzed Enantioselective Functionalization of Unsaturated Hydrocarbons", 2019 NSF CHE CAREER Workshop, Washington D. C., May 20, 2019.
2. Qian, X.; Cui, X. "Fe(III)-Catalyzed Amidomethylative Nucleophile-free Tandem Reactions: Formal Substitution of Multiple C–H Bonds for Building Complexity of Styrenes", Mississippi Local Section Awards Banquet and Poster Competition, Jackson, MS, October 3, 2019.
3. Cui, X. "Catalytic Amidomethylative Processes for Selective and Sustainable Functionalization of Alkenes", Gordon Research Conference on Organic Reactions and Processes, Stonehill College, Easton, MA July 16, 2018.
4. Chaminda Lakmal, H. H.; Cui, X. "Direct Synthesis of 1,2,3,6-Tetrahydropyridines (PTP) from α -Alkylstyrenes Promoted by Fe-Catalyzed Retro-[2+2] Ring-Opening of 1,2-Diazetidines", The Southeastern Regional Meeting of the American Chemical Society, Augusta, GA, October 31 - November 3, 2018.
5. Chaminda Lakmal, H. H.; Cui, X. "Divers [2+2+2] Cycloaddition of Alkenes with Different Types Formaldimine Precursors", The Southeastern Regional Meeting of the American Chemical Society, Augusta, GA, October 31 - November 3, 2018.
6. Sarah McClain, H. H.; Cui, X. "Development of New Ruthenium(II) Complexes with Facial κ^3 Tridentate Ligands", The Shackouls Honors College Undergraduate Research Symposium, Mississippi State University, 2018.
7. Chaminda Lakmal, H. H.; Cui, X. "Fe-catalyzed Tandem Retro-[2+2] Reaction and [2+2+2] Cyclization Reaction of 1,2-Diazetidines and Alkenes", 255th American Chemical Society National Meeting & Exposition, New Orleans, LA, March 18 - 22, 2018.
8. Baine, J.; Cui, X. "Iron(II)-Catalyzed Tandem Retro-[2+2] and Hosomi Sakurai Reaction Using with 1,2-Diazetidine Derivatives", 255th American Chemical Society National Meeting & Exposition, New Orleans, LA, March 18 - 22, 2018.
9. Chaminda Lakmal, H. H.; Cui, X. "Chemoselective Catalytic Aza-[2+2+2] Cyclization toward the Syntheses of Hexahydropyrimidines and Piperidines", 255th American Chemical Society National Meeting & Exposition, New Orleans, LA, March 18 - 22, 2018.
10. Istre, J.; Cui, X. "Direct Synthesis of 1,2-Disulfonyl Diazetidine Derivatives and their Synthetic Applications", 255th American Chemical Society National Meeting & Exposition, New Orleans, LA, March 18 - 22, 2018.
11. Cui, X. "Catalytically Controlled New Reactivity for Rapid and Multiple Functionalization of Unsaturated Hydrocarbon", University of Central Florida October 16, 2017, Seminar.
12. Cui, X. "Selective Radical Processes Involving Transition Metal Regulated Remote Radicals for Difunctionalization", West Virginia University January 29, 2016, Seminar.

13. Cui, X. "Selective Radical Processes Involving Transition Metal Regulated Remote Radicals for Difunctionalization", Mississippi State University December 8, 2015, Seminar.
14. Cui, X. "Selective Radical Processes Involving Transition Metal Regulated Remote Radicals", Baruch College, City University of New York, NY May 18, 2015, Seminar.
15. Cui, X. "Selective Radical Processes Involving Transition Metal Regulated Remote Radicals Selective Radical Cyclization Processes via Co(II)-Based Metalloradical catalysts", BioCryst Pharmaceuticals, Inc., AL April 14, 2015, Invited Talk.
16. Cui, X. "Co(II)-Based Metalloradical Catalysis: Stereoselective Radical Cyclization Reactions through C–H Functionalization", *Drug Discovery Colloquium*, University of South Florida, FL February 24, 2015, Invited Talk.
17. Cui, X. "Co(II)-Based Metalloradical Catalysis for Selective Synthesis of Cyclopropanes, Cyclopropenes and Related Cyclic Compounds", *Drug Discovery Colloquium*, University of South Florida, FL February 26, 2013, Invited Talk.
18. Cui, X.; Wang, J.-Y.; Xu, X.; Jin, L.-M.; Zhang, X. P. "Metalloalkyl Radical-mediated Stereoselective Radical Reactions via Co(II)-based Metalloradical Catalysis" 250th American Chemical Society National Meeting & Exposition, Boston, MA, August 16-20, 2015, ORGN-772.
19. Cui, X.; Wang, Y.; Xu, X.; Jin, L.-M.; Wojtas, L.; Zhang, X. P. "Stereocontrolled Radical C–H Alkylation via Co(II)-based Metalloradical Catalysis" 250th American Chemical Society National Meeting & Exposition, Boston, MA, August 16-20, 2015, ORGN-470.
20. Cui, X.; Xu, X.; Zhang, X. P. "Metalloradical Catalysis for Stereoselective Organic Synthesis" 250th American Chemical Society National Meeting & Exposition, Boston, MA, August 16-20, 2015, 2269485.
21. Cui, X.; Xu, X.; Smith, C.; Jin, L.-M.; Zhang, X. P. "Metalloalkyl Radical-mediated Reactions via Metalloradical Catalysis" 44th National Organic Chemistry Symposium, University of Maryland, College Park, MD, June 28, 2015.
22. Jin, L.-M.; Cui, X.; Tao, J.; Lu, H.-J.; Zhang, X. P. "Metalloradical Catalysis for Stereoselective Nitrogen Transfer Reactions" 44th National Organic Chemistry Symposium, University of Maryland, College Park, MD, July 1, 2015.
23. Cui, X.; Xu, X.; Wojtas, L.; Zhang, X. P. "Stereoselective Metalloalkyl Radical Reactions via Co(II)-Based Metalloradical Catalysis" 91th Annual Florida American Chemical Society Meeting and Exposition (FAME), May 8 – 10, 2015, Palm Harbor, FL.
24. Cui, X.; Xu, X.; Jin, L.-M.; Wojtas, L.; Zhang, X. P. "Asymmetric Radical C–H Alkylation via Co(II)-Based Metalloradical Catalysis" 91th Annual Florida American Chemical Society Meeting and Exposition (FAME), May 8 – 10, 2015, Palm Harbor, FL.
25. Cui, X.; Xu, X.; Jin, L.-M.; Lu, H.-J.; Hu, Y.; Zhang, X. P. "Metalloradical Catalysis for Stereoselective Organic Synthesis" 2014 Gordon Research Conferences, Modern Stereochemistry in Synthesis, Catalysis, and Chemical Biology, Salve Regina University, Newport, RI, July 27 - August 1, 2014.
26. Cui, X.; Xu, X.; Hu, Y.; Jin, L.-M.; Lu, H.-J.; Zhang, X. P. "Stereoselective Atom/Group Transfers via Co(II)-Based Metalloradical Catalysis" 43rd National Organic Chemistry Symposium, University of Washington, Seattle, Washington, June 23–27, 2013.
27. Cui, X.; Xu, X.; Wojtas, L.; Zhang, X. P. "Enantioselective Cyclopropanation and Regioselective Furan Formation via Co(II)-Based Metalloradical Cyclization" 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013, ORGN-116.
28. Cui, X.; Xu, X.; Hu, Y.; Tao, J.-R.; Zhang, X. P. "Stereoselective Atom/Group Transfers via Co(II)-Based Metalloradical Catalysis" 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013, ORGN-152.
29. Cui, X.; Xu, X.; Wojtas, L.; Zhang, X. P. "Co(II)-Based Metalloradical Catalysis for Enantioselective

- Cyclopropanation and Regioselective Furanylation” 89th Annual Florida American Chemical Society Meeting and Exposition (FAME), May 9 – 11, 2013, Palm Harbor, FL.
30. Cui, X.; Xu, X.; Hu, Y.; Jin, L.-M.; Lu, H.-J.; Zhang, X. P. “Metalloradical Catalysis for Stereoselective Carbene and Nitrene Transfers” 89th Annual Florida American Chemical Society Meeting and Exposition (FAME), May 9 – 11, 2013, Palm Harbor, FL.
31. Le, J.; Cui, X.; Zhang, X. P. “Asymmetric Synthesis of Amitifadine: A New Approach via Metalloradical Catalysis” Drug Discovery Colloquium, Department of Chemistry, University of South Florida, Tampa, FL; January, 20, 2015, Seminar.
32. Cui, X.; Guo, Q.-X. “Simple and Inexpensive Phosphine-free Ligands for Palladium-Catalyzed Reactions of Aromatic Bromides”, *9th international symposium on green chemistry in China (9th ISGCC)*, Hefei, China, (05/2008).
33. Cui, X.; Li, Z.; Guo, Q.-X. “Inexpensive and Efficient Ligand for Palladium-catalyzed Heck Reaction and Suzuki Reaction”, *8th international symposium on green chemistry in China (8th ISGCC)*, Beijing, China, P-021 (05/2007).
34. Cui, X.; Li, Z.; Liu, L.; Guo, Q.-X. “*N,N*-Dimethyl- β -alanine as an Inexpensive and Efficient Ligand for Palladium-catalyzed Heck Reaction”, *25th Chinese Chemical Society congress*, Changchun, China, 01-P-029 (07/2006).
35. Xu Y.; Cui, X.; Li, J.; Guo, Q.-X. “Reactions of Aromatic α -Diketone with Ammonium Acetate in two Heating Methods”, *7th international symposium on green chemistry in China (7th ISGCC)*, 40-41, Zhuhai, China, 100-101, (05/2005).

❖ **TEACHING EXPERIENCE**

Fall 2020	<i>Mississippi State University</i> Integrated Organic Chemistry I (Chemistry Major) (CH 4554)
Spring 2020	<i>Mississippi State University</i> Organic Chemistry II (CH 4523)
Fall 2019	<i>Mississippi State University</i> Organic Chemistry II (CH 4523)
Spring 2019	<i>Mississippi State University</i> Organometallic Chemistry (CH 8213)
Spring 2018	<i>Mississippi State University</i> Organic Chemistry II (CH 4523)
Fall 2017	<i>Mississippi State University</i> Organic Chemistry II (CH 4523)
Spring 2017	<i>Mississippi State University</i> Organometallic Chemistry (CH 8213)
Fall 2016	<i>Mississippi State University</i> Organic Chemistry II (CH 4523)
Spring 2016	<i>Baruch College at the City University of New York</i> Organic Chemistry I and Lab (CHM 3003) Organic Chemistry II Lab (CHM 3006)
Fall 2015	<i>Baruch College at the City University of New York</i> Introductory Chemistry and Lab (CHM 1003, 1004) Organic Chemistry I Lab (CHM 3003)
Spring 2015	<i>University of South Florida, Tampa, FL</i>

Organometallic Chemistry (CHM 6938) (Co-Instructor)

09/2013	<i>Hillsborough Community College, Tampa, FL</i> Introductory Chemistry (Guest Instructor)
04/2013	<i>Polk State College, Lakeland, FL</i> Introductory Chemistry (Guest Instructor)

❖ PROFESSIONAL SERVICES:

2011-present: Reviewer for journals (>100 invitations):

<i>Journal of the American Chemical Society</i>	<i>Organic Letter</i>
<i>Green Chemistry</i>	<i>Angewandte Chemie International Edition</i>
<i>Journal of Organic Chemistry</i>	<i>European Journal of Organic Chemistry</i>
<i>RSC Advances</i>	<i>Chemsuschem</i>
<i>Journal of Organometallic Chemistry</i>	<i>Dalton Transactions</i>
<i>Chemical Communications</i>	<i>Tetrahedron</i>
<i>Journal of Materials Chemistry A</i>	<i>New Journal of Chemistry</i>
<i>Tetrahedron Letters</i>	<i>Synthesis</i>
<i>Synthetic Communications</i>	

2012-present: Editorial Board. International Journal of Nano Studies & Technology (IJNST). Scidoc Publishers.

2016: CUNY college service: academic committee.

2016-present: MSU Chemistry Departmental Service: graduate admission committee.

2017: MSU Chemistry Departmental Service: graduate recruitment at ACS meeting.

2017: MSU Chemistry Departmental Service: new faculty recruitment at ACS meeting.

2017: MSU Chemistry Departmental Service: faculty search committee.

2018-present: MSU Chemistry Departmental Service: graduate affairs committee.

2019-present: MSU Chemistry Departmental Service: Rep. of Organic Division in graduate affairs committee.

❖ MENTORSHIP**Postdoctoral Associate:**

Dr. Hui Zhou, Ph.D. Lanzhou Institute of Chemical Physics (LICP), Chinese Academy of Sciences; 2016-2017

Dr. Xuesong Wang, Ph.D. Qinghua University; 2017-2018

Dr. Zhongyuan Li, University of Science and Technology of China (USTC); 2018-present

Dr. Tianyu Huang, Sichuan University; 2019-2020

Graduate Students:

Weinan Tan (MSU) 2020

Abdullah Abu Anzeh (MSU) 2019

Nirosh Udayanga Dissanayake Mudiyanse (MSU) 2019

Mojtaba Hajiloo Shayegan (MSU) 2017
 Xiaolin Qian (MSU) 2017
 Zhenyu Zhu (MSU) M.S. 2017
 Jonathan M. Baine (MSU) M.S. 2016
 Hetti Handi Chaminda Lakmal (MSU) 2016

Undergraduate Students:

Savanna Smith (MSU) 2020-present
 Nolan Stringfellow (MSU) 2019
 Sarah McClain (MSU) 2018-present
 James Lucore (MSU) 2018-2020
 Jacob Istre (MSU) 2017-2019
 Rachel Dykes (MSU) 2018-2019
 Koty Wood (MSU) 2018-2019
 Donielle Allen (MSU) 2018-present
 Will Crosby (MSU) 2018
 Ashruti Pant (Mississippi University for Women) 2018 summer
 Ishan Lamichhane (Mississippi University for Women) 2018 summer
 Bassem Ahmed (CUNY Baruch) 2015-2016
 Rosen Jeong (CUNY Baruch) 2015-2016
 George Kobakhidze (CUNY Baruch) 2015-2016
 Christopher Fong (CUNY Baruch) 2015-2016
 Cherisse Fraser (CUNY Baruch) 2015-2016
 Jennifer Le (USF)
 Theresa Schwitalla (USF)
 Jesus Dones (USF)
 Martin M. Kim (USF)
 Vladimir Salamakha (USF)
 Nicholas Raymond (USF)

K-12 Students:

Timothy Lewis (Mississippi School for Mathematics and Science) 2018-2019

❖ RESEARCH AWARDS FOR MENTORED STUDENTS

2020 Graduate Award, College of Arts and Sciences, MSU	Hetti Handi Chaminda Lakmal
2019 Outstanding Organic Research Award, Dept. of Chemistry, MSU	Hetti Handi Chaminda Lakmal
2019 Outstanding Undergraduate Research Award, MSU	Sarah McClain
2018 Outstanding Organic Research Award, Dept. of Chemistry, MSU	Hetti Handi Chaminda Lakmal
2018 Outstanding Undergraduate Research Award, MSU	Jacob Istre
2017 Presidential Graduate Initiative Fellowship	Hetti Handi Chaminda Lakmal
2018 Outstanding Organic Research Award, Dept. of Chemistry, MSU	Hetti Handi Chaminda Lakmal

2015 TC Owen Undergraduate Research Award, USF

Theresa Schwitalla

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