**Curriculum Vitae**

***Igor V. Alabugin***

**GENERAL INFORMATION**

University fAddress: Department of Chemistry and Biochemistry

 Florida State University

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E-Mail Address: alabugin@chem.fsu.edu

Web Site: <http://www.chem.fsu.edu/~alabugin/>

Researcher ID: <http://www.researcherid.com/rid/C-3659-2015>

ORCID ID: [0000-0001-9289-3819](https://orcid.org/0000-0001-9289-3819)

Google Scholar: https://scholar.google.com/citations?user=p4Mu17oAAAAJ

 h-index: 66; i10-index: 168

Amazon: [http://www.amazon.com/Igor-V.-Alabugin/e/B01IU2UCAC/](http://www.amazon.com/Igor-V.-Alabugin/e/B01IU2UCAC/ref%3Ddp_byline_cont_pop_book_1)

**Professional Preparation**

*1991-1995* Ph.D. Moscow State University, Moscow. Major: Organic Chemistry,

Dissertation: Reactions of phosphorylated allenes with new electrophilic reagents. Dissertation supervisors: N. S. Zefirov, N. V. Zyk, V. K. Brel.

*1986-1991* B.Sc/M.Sc., Moscow State University, Moscow. Major: Chemistry.

 Thesis: Electrophilic sulfamatoselenenation of alkenes.

Thesis supervisor: N. V. Zyk.

**Post- Degree Education and Training**

*1996-2000* Postdoctoral Research Associate: University of Wisconsin-Madison, WI (with Howard E. Zimmerman).

**Professional Experience**

*2010- present* Professor, Florida State University.

*2006-2010* Associate Professor, Department of Chemistry and Biochemistry, Florida State University.

*2000-2006* Assistant Professor,Department of Chemistry and Biochemistry, Florida State University.

##### **Honors and Awards**

ACS Southern Chemist Award 2023

George Gamow Award 2022

Distinguished Research Professor, Florida State University 2022

Florida Award, Florida Section of American Chemical Society 2022

Gilead Lectureship (University of Ottawa) 2022

Markovnikov Medal 2021

Honorary Professorship (St. Petersburg State University) 2021

American Chemical Society A. C. Cope Scholar Award 2021

A Top Reviewer for RSC Chemical Science 2019, 2020

A Top Reviewer for Angewandte Chemie 2019, 2020

The 2019 Favorsky Lecturer (St. Petersburg State University) 2019

A Top Reviewer for Angewandte Chemie 2018

A Top Reviewer for RSC Chemical Science 2018

A Top Reviewer for RSC Organic Chemistry Frontiers 2018

Fulbright Scholar Award – Distinguished Chair (UK) 2018

Fellow of the American Association for the Advancement of Science 2017

[Sentinels of Science Award](http://prw.publons.com/sentinels-of-science-award-recipients%22%20%5Cl%20%22chemistry) (top 10 peer-reviewers in Chemical Sciences) 2016-20

FSU Cottrell Professorship 2015

FSU Inaugural Undergraduate Research Mentor Award 2013

Phi Beta Kappa Excellence in Teaching Award (given once a year to

one FSU professor by the US oldest academic honors society) 2013

 “Visitas de Profesores Distinguidos” Mexican Academy of Sciences Award 2012

FSU Research Foundation GAP Award 2011

FSU Undergraduate Advising Award 2010

FSU Innovator Award 2007- 2017

FSU Developing Scholar Award 2008

 FSU Undergraduate Teaching Award 2007

 Inter-American Photochemical Society Young Investigator Award 2005

3M Untenured Faculty Award 2003, 2004 Florida State University First Year Assistant Professor Award 2001

 NATO Science Fellowship 1996

 Morozov Fellowship (top 0.5% of MSU students) 1988-1991 **Awards and Honors Received by Students (including former students):**

B. Breiner and Lamba Energy won Royal Society of Chemistry Emerging Tech Award (2023)

B. Chabuka was awarded the ACM SIGHPC Computational and Data Science Fellowship (2023)

L. Kuhn won Wilder Scholarship (2023)

G. Gomes was selected as one of Chemical & Engineering News “Talented Twelve” (2022): <https://cen.acs.org/physical-chemistry/computational-chemistry/Gabe-Gomes/100/i25>

L. Kuhn won NSF Graduate Fellowship (2021)

P. Mehaffy received FSU 2021 IDEA grant

A. Palazzo received 2021 FSU Zeina and Joe Schlenoff Award

K. Gilmore received 2021 ACS Green Chemistry Award

A. Palazzo received 2020 ACS Scholar Award

G. Gomes received Banting Postdoctoral Fellowship (2020).

G. Gomes was featured on Florida State University’s College of Arts & Sciences Spectrum Magazine with the article “Scientific Sensation”

G. Gomes was selected for IUPAC’s Periodic Table of Younger Chemists as “Yttrium” (2018))

G. Gomes won CAS SciFinder Future Leaders Award (2018)

G. Gomes won Chemical Computing Group Excellence Award of the ACS Computational Chemistry Division (2018)

G. Gomes won 2018 FSU Graduate Research and Creative Activity Award

M. Skala received 2018 Howard W. Smoyer Scholarship in Chemistry

C. Healy received 2018 Delos De Tar Undergraduate Fellowship

M. Maxwell received 2018 Graduate Teaching Excellence Award

G. Gomes received 2016 IBM PhD Scholarship

B. Gold won 2016 Arnold O. Beckman Postdoctoral Award

E. Gonzalez-Rodriguez was awarded CONACYT Fellowship.

C.J. Kelsheimer received [SMART Scholarship](http://news.fsu.edu/More-FSU-News/Student-receives-SMART-Scholarship-to-fund-five-years-of-graduate-education) from Department of Defense

R. Mohamed received the inaugural (2016) Outstanding Organic Chemistry Graduate Student Award.

J. Guerrera received 2016 Russell H. and Dorothy P. Johnsen scholarship

C.J. Kelsheimer received GRFP-National Science Foundation Honorable Mention

M. Ly received 2016 Dr. Jack Saltiel Undergraduate Research Award (IDEA Grant)

G. Gomes received 2016 Dr. Martin Luther King Jr. Book Stipend Scholarship

T. de Faria became 2015 WID-CFL Scholarship Winner

B. Gold won 2015 Dorothy and Russell Johnsen Best Dissertation Award

I. Piskun received 2015 ACS Organic Research Award

J. Nogues received 2015 Howard W. Smoyer Scholarship in Chemistry

W. Speranza received 2015 Delos De Tar Undergraduate Fellowship

J. Guerrera received 2015 Delos De Tar Undergraduate Fellowship

C.J. Kelsheimer received 2015 Katherine B. Hoffman Undergraduate Fellowship

D. Allenger received 2015 Katherine B. Hoffman Undergraduate Fellowship

R. Mohamed was awarded participation in the 2015 Lindau Nobel Laureate Meeting

D. Allenger received 2015 Mentored Research and Creative Endeavor Award (MRCE)

J. Nogues received 2015 Stephen Madden Undergraduate Research Award

R. Mohamed became finalist for 2015 P.E.O Fellowship

D. Allenger received 2014 Russell H. and Dorothy P. Johnsen scholarship

J. Nogues received 2014 Delos De Tar Undergraduate Fellowship

B. Gold won 2014 FSU Graduate Research and Creative Activity Award

I. Piskun received 2014 ACC Collaborative Summer Research Award

A. Morgan became 2014 Fulbright Finalist (<https://campus.fsu.edu/profiles/morgan/>)

B. Gold received a Dissertation Research Grant from COGS, FSU (2013)

J. Rojas received the 2013 FSU Department of Chemistry Academic Excellence Award

A. Morgan won the 2013 Katherine B. Hoffman Undergraduate Fellowship

J. Rashid won the 2013 FSU Department of Chemistry Undergraduate Research Award

A. Morgan won 2013 FSU Undergraduate Research and Creative Activity Award (URCAA)

Z. Rengert won NSF Graduate Fellowship (2013).

B. Gold was awarded participation in the 2013 Lindau Nobel Laureate Meeting

B. Gold won CCG Excellence Award from the ACS Division of Computational Chemistry (2012)

J. Rojas received Katherine B. Hoffman Undergraduate Fellowship (2012)

Z. Rengert won the 2012 FSU Department of Chemistry Undergraduate Research Award

K. Gilmore won FSU Department of Chemistry Outstanding Organic Chemistry TA Award (2012)

R. Allen received the 2011 Marion Jewell Hay Award

A. Baroudi named as a finalist for 2010-2011 Reaxys PhD Publication Prize (*one of 14 in the U.S*.)

Z. Rengert won 1st place poster award at the Florida ACS meeting (2011)

N. Bonus received Delos De Tar Undergraduate Fellowship (2011)

M. Gatcombe received Delos De Tar Undergraduate Fellowship (2011)

W.-Y. Yang received a Dissertation Research Grant from COGS, FSU (2011)

C. St. Laurent won 3rd place presentation award in Chemistry at the FGLSAMP Expo Meeting (2011)

K. Gilmore received Fulbright Fellowship (2010-11) (https://campus.fsu.edu/profiles/gilmore/)

C. St. Laurent won 2nd place poster award at the Florida ACS meeting (2010)

A. Rodriguez received Katherine B. Hoffman Undergraduate Fellowship (2010)

J. Alicea received Katherine B. Hoffman Undergraduate Fellowship (2010)

J. Delaune received the 2010 Department of Chemistry and Biochemistry Academic Excellence Award

A. Rice received FSU Mentored Research and Creative Endeavors Award (2009) (https://campus.fsu.edu/profiles/rice/)

R. Abrams received FSU Undergraduate Research and Creative Activity Award (2008)

K. Gilmore and A. Baroudi shared Best Organic Seminar Award (2008).

J. Abrams received Best Organic Seminar Award (2007).

J. Lopez received Fisher Fellowship (2007) from the American Cancer Society

B. Breiner received 2007 Best Dissertation Award from the Department of Chemistry and Biochemistry, FSU

T. Zeidan received a Dissertation Research Grant from COGS, FSU (2005)

C. French received Hughes Fellowship (2004)

M. Naiman received Fisher Fellowship (2001) and Avery Brundage Fellowship (2004)

 **Membership in Professional Organizations**

American Chemical Society

Inter-American Photochemical Society (Secretary)

American Association for the Advancement of Science

**SCHOLARLY OR CREATIVE ACTIVITIES**

**Books**

1. Alabugin, I. V. *Stereoelectronic Effects: the Bridge between Structure and Reactivity.* John Wiley & Sons Ltd, Chichester, UK, **2016**. Review at <https://onlinelibrary.wiley.com/doi/full/10.1002/anie.201700616>.

2. Alabugin, I. V.; Kuhn L. *Oxygen: the Key to Stereoelectronic Control in Chemistry*. *ACS in Focus*, **2023**. https://pubs.acs.org/doi/book/10.1021/acsinfocus.7e7009.

**Refereed Journal Articles**

**In print:**

**212.** Double spin with a twist: synthesis and characterization of a neutral mixed-valence organic stable diradical. Sentyurin, V. V.; Levitskiy, O. A.; Yankova, T. S.; Grishin, Y. K.; Lyssenko, K. A.; Goloveshkin, A. S.; Alabugin, I. V.; Magdesieva, T. V., *J. Amer. Chem. Soc*., in print, ja-2024-081676.

**211.** Differentiating Intra-Assembly and Inter-Layer Energy Transfer in Metal Ion Linked Molecular Multilayers. McLeod, G.; Nolder, J.; Arcidiacono, A.; Lindbom, S.; Dos Santos, N.; Lambert, E.; Ayad, S.; Beery, D.; Alabugin, I.; Hanson, K. *J. Phys. Chem. C*, in print, jp-2024-04033p.R1.

**210.** Unusual Cascade Reactions of 8-Acetoxy-6-hydroxymethyllimonene with Salicylic Aldehydes: Diverse Oxygen Heterocycles from Common Precursors. I. V. Ilyina, O. S. Patrusheva, V. V. Goltsova, K. M. Christopher, Yu. V. Gatilov, A. Yu. Sidorenko, V. E. Agabekov, N. F. Salakhutdinov, I. V. Alabugin, K. P. Volcho, *J. Org. Chem.*, **2024**, *89*, in print, 10.1021/acs.joc.4c01282.

**Published:**

**209.** Facile synthesis of diiodoheteroindenes and understanding their Sonogashira cross-coupling selectivity for the construction of unsymmetrical enediynes. A.V. Ponomarev, N.A. Danilkina, J. S. Okuneva, A. A. Vidyakina, E. A. Khmelevskaya, A. S. Bunev, A.M. Rumyantsev, A. I. Govdi, T. Suarez, I. V. Alabugin, I. A. Balova. *Org. Biomol. Chem*., **2024**, DOI: 10.1039/D4OB00530A.

**208.** Interrupted dance of five heteroatoms: reinventing ozonolysis to make geminal alkoxyhy-droperoxides from C=N bonds. Yaremenko, I.; Fomenkov, D.; Budekhin, R.; Radulov, P.; Medvedev, M.; Krivoshchapov, N.; Alabugin, I. V.; Terent'ev, A. *J. Org. Chem.*, **2024**, *89*, 8, 5699–5714. <https://pubs.acs.org/doi/full/10.1021/acs.joc.4c00233>.

**207.** Redox upconversion and electrocatalytic cycles in activation of Si-Si bonds: diverging reactivity in hole- and electron-catalyzed transformations. Balycheva, V.; Chabuka, B.; Kuhn, L.; Shangin, P.; Akyeva, A.; Krylova, I.; Korolev, V.; Lalov, A.; Egorov, M.; Alabugin, I.V.; Syroeshkin, M. *J. Phys. Chem*. *C*, **2024**, *128*, 4581–4599. <https://pubs.acs.org/doi/10.1021/acs.jpcc.4c00538>.

**206.** Not all carbon—carbon bonds are equivalent: anomeric effect of sp-hybridized carbon atom. S.Z. Vatsadze, A.V. Medved’ko, M.K. Mirakbarov, M.E. Minyaev, V.N. Khrustalev, D.U. Zaripov, M.G. Medvedev, I.V. Alabugin. *Russ. Chem. Bull.* **2024**, *73*, 363-371. <https://link.springer.com/content/pdf/10.1007/s11172-024-4143-8.pdf>.

**205.** Tethering Three Radical Cascades for Controlled Termination of Radical Alkyne peri-Annulations: Making Phenalenyl Ketones without Oxidants. C. Hu, L. Kuhn, F. D. Makurvet, E. S. Knorr, X. Lin, R. K. Kawade, F. Mentink-Vigier, K. Hanson, I. V. Alabugin, *J. Amer. Chem. Soc*., **2024**, *146*, 4187–4211, <https://pubs.acs.org/doi/10.1021/jacs.3c13371>.

**204.** An unusual rearrangement of pyrazole nitrene and coarctate ring opening/recyclization cascade: Formal CH-acetoxylation and azide/amine conversion without external oxidants and reductants. E. Chugunova, A. Gazizov, D. Islamov, V. Matveeva, A. Burilov, N. Akylbekov, A. Dobrynin, R. Zhapparbergenov, N. Appazov,B. K. Chabuka, K. Christopher, D. I. Tonkoglazova, I. V. Alabugin, *Molecules*, **2023**, *28*, 7335, https://www.mdpi.com/1420-3049/28/21/7335.

**203.** Bioinspired Fe(II)-mediated halogenative C-C bond activation of ozonides: Temporary installment of a peroxide bridge allows selective C-C scissions for replacement of a carbonyl group by a halogen. I. A. Yaremenko, Y. Y. Belyakova, A. A. Demina, P. S. Radulov, I. V. Alabugin, A. O. Terent’ev. *Adv. Synth. Catal.,* **2023**, *365*, 4190–4197, https://onlinelibrary.wiley.com/doi/epdf/10.1002/adsc.202300881.

**202.** Anticancer and Antiphytopathogenic Activity of Fluorinated Isatins and Their Water-Soluble Hydrazone Derivatives. A. Bogdanov, M. Neganova, A. Voloshina, A. Lyubina, S. Amerhanova, I. Litvinov, O. Tsivileva, N. Akylbekov, R. Zhapparbergenov, Z. Valiullina, A. Samorodov, I. Alabugin, *Int. J. Mol. Sci.* **2023**, *24*, 15119; <https://doi.org/10.3390/ijms242015119>.

**201.** Two-component vs three-component condensations in the race between hydrazide, triketone and hydrogen peroxide – how do all six reactive centers cooperate to incorporate the most diverse set of heteroatomic bridges in a tricyclic frame? I. A. Yaremenko, Y. Yu. Belyakova, P. S. Radulov, M. G. Medvedev, N. V. Krivoshchapov, I. V. Alabugin, A. O. Terent’ev, *J. Org. Chem.*, **2023**, *88*, 13782–13795. <https://pubs.acs.org/doi/10.1021/acs.joc.3c01415>.

**200.** Hole Catalysis of Cycloadditions: How to Activate and Control Oxidant Upconversion in Radical-Cationic Diels-Alder Reactions. B. K. Chabuka, I. V. Alabugin, *J. Amer. Chem. Soc*., **2023**, *145*, 35, 19354–19367, https://pubs.acs.org/doi/full/10.1021/jacs.3c06106.

**199.** Hybrids of Sterically Hindered Phenols and Diaryl Ureas: Synthesis, Switch from Antioxidant Activity to ROS Generation and Induction of Apoptosis. E. Gibadullina, M. Neganova, Y. Aleksandrova, N. H. B. Tran, A. Voloshina, M. Khrizanforov, N. T. Thu, E. Vinyukova, K. Volcho, D. Tsypyshev, A. Lyubina, S. Amerhanova, A. Strelnik, J. Voronina, D. Islamov, R. Zhapparbergenov, N. Appazov, B. Chabuka, K. Christopher, A. Burilov, N. Salakhutdinov, O. Sinyashin, I. Alabugin. *Int. J. Mol. Sci.* **2023**, *24*, 12637; <https://doi.org/10.3390/ijms241612637>.

**198.**Photochemical Uncaging of Aldehydes and Ketones via Photocyclization/Fragmentation Cascades of Enyne Alcohols: An Unusual Application for a Cycloaromatization Process. A. Campbell, N. R. Dos Santos, I. V. Alabugin, *Molecules,* **2023**,*28****,*** 10.3390/molecules28155704 (special issue for V. Ramamurthy).

**197.** “Stereolectronic deprotection of nitrogen”: recovering nucleophilicity with a conformational change. A.S. Gazizov, A. V. Smolobochkin, T. S. Rizbayeva, S. Z. Vatsadze, A. R. Burilov, O. G. Sinyashin, I. V. Alabugin, *J. Org. Chem.* **2023**, *88*, 6868–6877. https://pubs.acs.org/doi/full/10.1021/acs.joc.3c00161.

**196.** Diverse Biological Activity of Benzofuroxan/Sterically Hindered Phenols Hybrids. E. Chugunova, E. Gibadullina, K. Matylitsky, B. Bazarbayev, M. Neganova, K. Volcho, A. Rogachev, N. Akylbekov, H. Bao T. Nguyen, A. Voloshina, A. Lyubina, S. Amerhanova, V. Syakaev, A. Burilov, N. Appazov, M. Zhanakov, L. Kuhn, O. Sinyashin, I. Alabugin, Pharmaceuticals **2023**, 16, 499, <https://doi.org/10.3390/ph16040499>.

**195.** Design principles of the use of alkynes in radical cascades. C. Hu, J. Mena, I.V. Alabugin, *Nature Reviews Chemistry*, **2023**, 7, 405–423, <https://www.nature.com/articles/s41570-023-00479-w>.

**194.** Creating, preserving, and directing carboxylate radicals in Ni-catalyzed Csp3-H acyloxylation of ethers, ketones, and unactivated alkanes with diacyl peroxides. V. A. Vil’, Y. A. Barsegyan, L. Kuhn, A. O. Terent’ev, I. V. Alabugin, *Organometalllic* (Special Issue dedicated to I. P. Beletskaya), **2023**, *42*, 2598–2612, <https://pubs.acs.org/doi/abs/10.1021/acs.organomet.2c00663>.

**193.** AIBN as an Electrophilic Reagent for Cyano Group Transfer. Q. Elliott, I.V. Alabugin, *J. Org. Chem. (selected as Editors’ Choice article)*, **2023**, *88*, 2648–2654. <https://doi.org/10.1021/acs.joc.2c02859>.

**192.** Design and synthesis of Kekulè and non-Kekulè diradicaloids via radical peri-annulation strategy: the power of seven Clar’s sextets. F. Kuriakose, M. Commodore, C. Hu, C. J. Fabiano, D. Sen, R. R. Li, S. Bisht, Ö. Üngör, X. Lin, G. F. Strouse, A. E. DePrince III, R. A. Lazenby, F. Mentink-Vigier, M. Shatruk, I. V. Alabugin. *J. Amer. Chem. Soc*. **2022**, *144*, 23448–23464. <https://pubs.acs.org/doi/10.1021/jacs.2c09637>.

**191.** The α-Methylstilbene Isomers – Relationship of Structure to Photophysics and Photochemistry. Krishnan, S.; Clark, R.; Lin, X.; Dmitrenko, O.; Hilinski, E.; Kuhn, L.; Alabugin, I.; Saltiel, J. *J. Phys. Chem. A.* **2022**, *126*, 8976–8987. <https://pubs.acs.org/doi/full/10.1021/acs.jpca.2c06319>.

**190.** Activation of O-Electrophiles via Structural and Solvent Effects: SN2@O Reaction of Cyclic Diacyl Peroxides with Enol Acetates. V. A. Vil’, E. S. Gorlov, D. V. Shuingalieva, A. Yu. Kunitsyn, N. V. Krivoshchapov, M. G. Medvedev, I. V. Alabugin, A. O. Terentev, *J. Org. Chem.*, **2022**, 10.1021/acs.joc.2c01634*.*

**189.** Electron upconversion in reactions of 1,2,4-triazoline-3,5-dione. V. A. Balycheva, A. Ya. Akyeva, E. A. Saverina, P. G. Shangin, I. V. Krylova, V. A. Korolev, M. P. Egorov, I. V. Alabugin, M. A. Syroeshkin. *Russian Chemical Bulletin*, **2022**, *71*, 1614—1625, <https://link.springer.com/article/10.1007/s11172-022-3570-7> and <https://rdcu.be/cWdL6>.

**188.** Cascade assembly of bridged N-substituted azaozonides: The counterintuitive role of nitrogen source nucleophilicity. I. A. Yaremenko, Yu. Yu. Belyakova,P. S. Radulov,R. A. Novikov, M. G. Medvedev, N. V. Krivoshchapov,I. V. Alabugin, A. O. Terent’ev. *Org. Lett*. **2022**, *24*, 6582-6587. <https://pubs.acs.org/doi/10.1021/acs.orglett.2c02551>.

**187.** A Swiss Army knife for surface chemistry. (Perspective) I. V. Alabugin; C. Hu. *Science.* **2022**, *377*, 261-262, DOI: 10.1126/science.abq2622. <https://www.science.org/doi/10.1126/science.abq2622>.

**186.** Two Paths to Oxidative C−H Amination Under Basic Conditions: A Theoretical Case Study Reveals Hidden Opportunities Provided by Electron Upconversion. P. Eckhardt, Q. Elliott, I. V. Alabugin, T. Opatz. *Chem. Eur. J.* **2022***, 28*, e202201637. <https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/chem.202201637>.

Preprint: <https://chemrxiv.org/engage/chemrxiv/article-details/62060f357d068a621d1bd131>.

**185.** Carboxylate as a non-innocent L-ligand – computational and experimental search for metal-bound carboxylate radicals. Kuhn, L.; Vil', V. A.; Barsegyan, Y. A.; Terent'ev, A. O.; Alabugin, I. V. *Org. Lett*. **2022**, *24*, 3817–3822. <https://pubs.acs.org/doi/10.1021/acs.orglett.2c01356>.

**184.** Localized Antiaromaticity Hot-spot Drives Reductive Dehydrogenative Cyclizations in Bis- and Mono-Helicenes. Z. Zhou, D. T. Egger, C. Hu, M. Pennachio, Z. Wei, R. K. Kawade, Ö. Üngör, R. Gershoni-Poranne, M. A. Petrukhina, I. V. Alabugin. *J. Amer. Chem. Soc.* **2022,** *144*, 12321–12338.<https://pubs.acs.org/doi/full/10.1021/jacs.2c03681>. ***(Front Cover)***

**183.** Visible Light-driven Metal-free C–H Functionalization: Access to New Bioactive Tetrahydroisoquinoline-Butenolide Hybrids via Domino Amine Oxidation/Vinylogous Mannich Reaction. L. Kersting; L. Kuhn; M. Anokhin; F. Schuster; C. Häberli; S. Sambyal; H. M. S. Kumar; J. Keiser; I. V. Alabugin; S. B. Tsogoeva. *ChemPhotoChem,* **2022**, e202200109.<https://chemistry-europe.onlinelibrary.wiley.com/doi/epdf/10.1002/cptc.202200109>.

Preprint: [https://chemrxiv.org/engage/chemrxiv/article-details/61bfbed97284d0efb4f1cff4](https://urldefense.com/v3/__https%3A/chemrxiv.org/engage/chemrxiv/article-details/61bfbed97284d0efb4f1cff4__;!!PhOWcWs!n9dc_SZwnbTSQzLXC2NyYWiVjstWLnFplLtNsk1k_DVPoLIz1_tDdFr5v8T25ziw2EY$).

**182.** 3-Trifluoromethylbenzyne: Precise Orientation in Cycloaddition Reaction Enabled Regioselective Synthesis of Trifluoromethylated Triptycenes. T. Iwata, M. Hyodo, T. Fujiwara, R. Kawano, L. Kuhn, I. Alabugin, M. Shindo. *Synthesis,* **2022**, *54*, 4971-4978. <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/a-1818-0576>.

**181.** Remote stereoelectronic effects in pyrrolidone- and caprolactam-substituted phenols: discrepancies in antioxidant properties evaluated by electrochemical oxidation vs H-atom radical transfer. A. Ya. Akyeva, A. V. Kansuzyan,K. S. Vukich, L. Kuhn, E. A. Saverina, M.E. Minyaev, V. M. Pechennikov, M. P. Egorov, I. V. Alabugin, S. V. Vorobyev, M. A. Syroeshkin. *J. Org. Chem.* **2022***, 87*, 5371–5384.<https://pubs.acs.org/doi/10.1021/acs.joc.2c00207>*.*

**180.** Inverse α-Effect as the Ariadne’s Thread on the Way to Tricyclic Aminoperoxides: Avoiding Thermodynamic Traps in the Labyrinth of Possibilities. I. A. Yaremenko, Y. Yu. Belyakova,P. S. Radulov,Roman A. Novikov, M. G. Medvedev, N. V. Krivoshchapov,A. A. Korlyukov, I. V. Alabugin, A. O. Terent’ev. *J. Amer. Chem. Soc.,* **2022***, 144,* 7264–7282.<https://pubs.acs.org/doi/abs/10.1021/jacs.2c00406>.

**179.** Alabugin, I. V.; Hu, C. New Heterocycles via an Intriguing Visible-Light-Promoted 5-endo-dig Cyclization. *Chem. Catalysis,* **2021**, *1*, 976-975. <https://doi.org/10.1016/j.checat.2021.10.004>.

**178.** Cascade Transformations of 1-R-Ethynyl-9,10-anthraquinones with Amidines: Expanding Access to Isoaporphinoid Alkaloids. S. F. Vasilevsky, O.L. Krivenko, I. V. Sorokina, D. Baev, T. G. Tolstikova, I. V. Alabugin. *Molecules,* **2021**, *26*, 6883-6896, <https://doi.org/10.3390/molecules26226883>.

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#6. Alabugin I.V.;Brel, V.K. "Interaction of 3-Methyl-1,2-Butadienylphosphonic Acid Dichloride with SCl2." *Journal of General Chemistry (Russia)* **1995**, *65*, 1670-1672.

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**Invited Book Chapters**

11. Harris, T.; Alabugin, I. V. Strain-Promoted Azide Alkyne Cycloaddition (SPAAC): Background, Substrate Preparation, and Reactivity, In *Science of Synthesis: Click Chemistry*, Rutjes, F. P. J. T., Ed.; Thieme: Stuttgart, **2021**; Chapter 4.1, pp 337-378. <https://www.thieme-connect.de/products/ebooks/lookinside/10.1055/sos-SD-235-00143>.

10. Campbell, A., Peterson, P. W., Alabugin, I. V. Cycloaromatization Reactions, *Aromaticity*, **2021*,*** Elsevier*.* 2020, Editor: Israel Fernandez.

9. Gomes, G. d. P., Alabugin, I. V. Stereoelectronic Effects: Analysis by Computational and Theoretical Methods*, Applied Theoretical Organic Chemistry,* World Scientific, **2018**Editor: Dean Tantillo.

8. Mohamed, R.; Byers, P.; Alabugin, I. V. Radical Reactions, *Encyclopedia of Physical Organic Chemistry*, 1st edition, **2017**. John Wiley & Sons Ltd, Chichester, UK, <http://onlinelibrary.wiley.com/doi/10.1002/9781118468586.epoc2011/abstract>.

7. Nenajdenko, V. G.; Shevchenko, N. E.; Balenkova, E. S.; Alabugin I.V. (2013).Organochalcogen Multication Species in F. A. Devillanova (Ed.), *Handbook of Chalcogen Chemistry,* 382-421, RSC Publishing, Great Britain. http://dx.doi.org/10.1039/9781849737456-00382.

6. Mohamed, R. K.; Kaya, K.; Alabugin, I. V. (2015) Photochemical Cycloaromatization Reactions, in “Arene Chemistry: Reaction Mechanisms and Methods for Aromatic Compounds”, 869-888, John Wiley & Sons Ltd, Chichester, UK, [http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118752015,subjectCd-CH60.html](http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118752015%2CsubjectCd-CH60.html).

5. Alabugin, I. V.; Gold, B. Stereoelectronic Effects on Structure and Reactivity of Organic Molecules: Origins and Consequences. *Encyclopedia of Physical Organic Chemistry*, 1st edition, 2017. John Wiley & Sons Ltd, Chichester, UK, <http://onlinelibrary.wiley.com/doi/10.1002/9781118468586.epoc1003/abstract>.

4. Alabugin, I. V.; Gilmore, K. (2012) Unusual Radical Cyclizations. *Encyclopedia of Radicals in Chemistry, Biology and Materials*, C. Chatgilialoglu; A. Studer (Eds.). John Wiley & Sons Ltd, Chichester, UK, pp 693-728.

3. Alabugin, I. V.; Yang, W.-Y.; Pal. R. (2012) Enediyne photochemistry. *CRC Handbook of Organic Photochemistry and Photobiology, 1*, 549-592. Griesbeck, A.; Oelgemöller, M.; Ghetti, F. (Eds);Taylor & Francis, Boca Raton, FL.

2. Nenajdenko, V. G.; Shevchenko, N. E.; Balenkova, E. S.; Alabugin I.V. (2007).Organochalcogen Multication Species in F. A. Devillanova (Ed.), *Handbook of Chalcogen Chemistry,* 417-453, RSC Publishing, Great Britain.

1. Alabugin, I. V.; Breiner, B.; Manoharan, M. (2007). Electronic Effects in Cycloaromatization Reactions: The Melting Pot of Theory and Experiment in J. Richard (Ed.), *Advances in Physical Organic Chemistry*, *42,* 1-35. Elsevier, [http://dx.doi.org/10.1016/S0065-3160(07)42001-9](http://dx.doi.org/10.1016/S0065-3160%2807%2942001-9).

**Invited Editorials/Reviews (not peer reviewed)**

3. Alabugin, I. V. Chemistry: A Place to Publish Your Creative Multidisciplinary Research

*Chemistry*, **2023**, 5, 2677-2681. https://doi.org/10.3390/chemistry5040172.

2. Alabugin, I. V. Editorial for the ISRIUM 2012 Issue. *J. Phys. Org. Chem.* **2013**, *26*, 698.<http://onlinelibrary.wiley.com/doi/10.1002/poc.3173/abstract>.

1. Alabugin, I. V. Book Review: “[Hydrogen Bonding in Organic Synthesis](http://pubs.acs.org/doi/abs/10.1021/ja103155b)”. *J. Am. Chem. Soc.* **2010**,*132*, 6863–6866. (invited). <http://pubs.acs.org/doi/abs/10.1021/ja103155b>.

**Presentations**

**Keynote and Plenary Presentations at Conferences and Symposia**

1. Alabugin, I. V. 10th Heron Island Conference on Reactive Intermediates and Unusual Molecules, Heron Island, Great Barrier Reef, Queensland, July 6-12, 2025.
2. Alabugin, I. V. 3rd Winter In-Person Organic Symposium (WIPOS 2023; http://wipos.org/) Honolulu, December 18-21, 2023.
3. Alabugin, I. V. Cascade transformations of alkynes: unlocking new reactivity of the most unusual organic functional group. Favorsky Symposium, St. Petersburg, July 2023.
4. Alabugin, I. V. Orbital Hybridization: Key to Structure and Reactivity Control. ChemTalks - online conference, January 31, 2023. https://www.youtube.com/watch?v=HBBvU\_NyE-I.
5. Alabugin I. V. Energy of chemical bonds as a driving force for organic reactions: molecular springs, stereoelectronic frustration, and electron upconversion. 13th Spencer Symposium: From organic chemical reactions to 21st century medicine. Lakeland, Fl, USA, January 27, 2023
6. Alabugin I. V. Localizing aromaticity for breaking bonds/localizing antiaromaticity for making bonds: classic electronic effects in control of function and reactivity. 3rd From Carbon-Rich Molecules to Carbon-Based Materials Conference, Riviera Maya, Mexico, May 7, 2023.
7. Alabugin I. V. Design principles of alkyne radical cascades. Organic Radicals Meeting, December 16, 2022, Moscow.
8. Alabugin I. V. Energy as a driving force: from stereoelectronic frustration to electron upconversion. CLAFQO-15, Florianapolis, Brazil, November 16, 2022.
9. Alabugin I. V. Non-Covalent Interactions with Neutral Radicals: Control of Selectivity of Bond Formation and Bond Breaking in Radical Cyclization/Fragmentation Cascades of Alkynes. 2nd International Symposium “Noncovalent Interactions in Synthesis, Catalysis, and Crystal Engineering (NCI-2022). Moscow, November 15, 2022 (virtual).
10. Alabugin I. V. The Importance of Weak Bonds in Dynamic Covalent Chemistry and Catalysis. Dynamic Processes in Organoelement Chemistry, Kazan’, September 13, 2022 (virtual).
11. Alabugin I. V. Energy of chemical bonds as a driving force for chemical reactions: from stereoelectronic frustration to electron upconversion (the ACS Florida Award Lecture), FAME meeting, Tampa, August 5, 2022.
12. Alabugin I. V. From Alkyne Origami to New Polyaromatics. Canadian Chemistry Conference and Exhibition, Calgary, June 16, 2022
13. Alabugin I. V. Energy of Chemical Bonds as a Driving Force for Chemical Reactions: from Stereoelectronic Frustration to Electron Upconversion. 2022 Telluride Workshop “Radicals in the Rockies”, Telluride CO, June 2022.
14. Alabugin I. V. Choosing the Right Path for Alkyne Cyclizations and Redefining the Cyclization Rules. American Chemical Society National Meeting & Exposition, San Diego, March 20-24, 2022 (Cope Scholar Award Lecture).
15. Alabugin I. V. Alkyne Origami, St. Pete Beach, 2021 RASA Conference, November 21, 2021 (Plenary Lecture).
16. Alabugin I. V. Markovnikov, anti-Markovnikov, or non-Markovnikov? Choosing the Right Path

and Redefining Cyclization Rules. Markovnikov Congress on Organic Chemistry, Sochi, October 9, 2021 (Plenary, Award Lecture).

1. Alabugin I. V. From alkyne origami to electron upconversion: Radical approaches to new polyaromatics. XII International Conference on Chemistry for Young Scientists “MENDELEEV 2021, St. Petersburg, September 5, 2021 (Plenary, Award Lecture).
2. Alabugin I. V. Stereoelectronic control of alkyne cyclizations. XХII International Scientific Conference “Chemistry and Chemical Engineering in XXI century”, Tomsk, Russia, May 17, 2021 (Plenary).
3. Alabugin I. V. From Alkyne Origami and Metal-Free C-H Aminations to Electron Upconversion: Bottom-up Approaches to Carbon-Rich Molecules. Markovnikov Congress on Organic Chemistry Kazan, June 27, 2019 (Keynote).
4. Alabugin I. V. From Alkyne Origami and Metal-Free C-H Aminations to Electron Upconversion: Bottom-up Approaches to Carbon-Rich Molecules and Materials, 9th World Congress on Chemistry, Prague, May 13, 2019 (Keynote).
5. Alabugin I. V. Adventures in Alkyne Chemistry: New Tricks from an Old Functional Group. Saint Petersburg, Favorsky Readings, 22 March, 2019 (Named Lecture - the 53rd Favorsky Lecturer).
6. Alabugin I. V. From Carbon-Rich Molecules to Carbon-Rich Materials. 4th International Conference on Bioinspired and Biobased Chemistry and Materials (NICE 2018), Nice, France, 14-17 October 2018.
7. Alabugin I. V. Alkyne photochemistry for double DNA-cleavage and for the uncaging of aldehydes, ACS National Meeting, New Orleans, March, 2018.
8. Alabugin I. V. Supramolecular and stereoelectronic control of cyclizations and fragmentations. Current Topics in Organic Chemistry, Sheregesh, Russia, March 12-16, 2018.
9. Alabugin I. V. International Organic Chemistry Conference “Baikal Readings”, Irkutsk, August 2017.
10. Alabugin I. V. International Symposium on Reactive Intermediates and Unusual Molecules (ISRIUM) 2017, Sorrento, Italy, July 2017.
11. Alabugin I. V. Natural Bond Orbital Analysis – the Rosetta Stone of Computational Chemistry, Markovnikov Readings, Krasnovidovo, Russia, January 2017.
12. Alabugin I. V. Stereoelectronic control of cyclizations and fragmentations. Heron Island Conference on Reactive Intermediates and Unusual Molecules, Heron Island, Great Barrier Reef, Queensland, Australia, July 9-15, 2016.
13. Alabugin I. V. Synergy of Cyclizations and Fragmentations. 2016 Telluride Workshop “Radicals in the Rockies”, Telluride CO, August 2016.
14. Alabugin I. V. Stereoelectronic control of cyclizations and fragmentations. Dombay Organic Conference Cluster (DOCC-2016), 29th May-04th June 2016, Dombay, Russia.
15. Alabugin I. V. The Synergy of Cyclizations and Fragmentations in the Design of Radical Cascades. 12th International Symposium on Organic Reactions (ISOR-12), April 22-24, 2016, Kyoto, Japan.
16. Alabugin I.V. Stereoelectronic control of cyclizations and fragmentations. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Tampa, Fl, May 5-8, 2016.
17. Alabugin I. V. Combining Cyclizations and Fragmentations in Stereoelectronically Guided Radical Cascades: from Radical Pools to Traceless Directing Groups. The 70th Fujihara Seminar on Physical Organic Chemistry, April 17-21, 2016, Fukuoka, Japan.
18. Alabugin I. V. Missing C1-C5 cycloaromatization reaction: Self-terminating photorelease of formaldehyde for the synthesis of fulvenes from enynes. 251st American Chemical Society National Meeting & Exposition, San Diego, March 13-17, 2016.
19. Alabugin I. V. Shaping Molecules. “The Best of FSU in Mexico City” Symposium. Mexico City, February 18, 2016.
20. Alabugin I. V. Photochemical cyclizations of enynes and enediynes: optimizing electronic and stereoelectronic factors. PACIFICHEM2015 Congress, Honolulu, December 15-20, 2015.
21. Alabugin I.V. New approaches to heteroaromatics via radical and metal-catalyzed cyclizations and fragmentations. 2015 KOST Symposium, Moscow, October 18-23, 2015.
22. Alabugin I.V. Electronic and Stereoelectronic Control of Photocyclizations: The Great Escape from Antiaromaticity. 2015 Photochemistry Gordon Research Conference, Stonehill College, July 19-24, 2015.
23. Alabugin I.V. Stereoelectronic Control of Cyclizations and Fragmentations. Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH, July 2015.
24. Alabugin I.V. Stereoelectronic Control of Cyclizations and Fragmentations:
Rules, Reactions and Molecules. International Conference on Reactive Intermediates and Unusual Molecules (ISRIUM), Hiroshima, Japan, April 1-6, 2014.
25. Alabugin I. V. Rules for Alkyne Cyclizations. 2013 Telluride Workshop “Radicals in the Rockies”, Telluride CO, July, 2013.
26. Alabugin I.V. Alkyne cyclizations and cycloadditions: From stereoelectronics to cascade transformations. 96th Canadian Chemistry Conference, May 26–30, 2013, Quebec City, Canada.
27. Alabugin I.V. Fine-Tuning Alkyne Cyclizations: From Stereoelectronics to Cascade Transformations. International Conference on Reactive Intermediates and Unusual Molecules (ISRIUM), Ascona, Switzerland, July 8-13, 2012.
28. Alabugin I.V. Cyclizations of Alkynes: From Stereoelectronics to New Cascade Transformations. 11th Latin American Conference on Physical Organic Chemistry (CLAFQO-11), Riviera Maya, Quintana Roo, Mexico, Nov. 20 - 24, 2011.
29. Alabugin I.V. Making New C-C and C-H bonds with Alkyne Photochemistry. Plenary Lecture at the Organic Photochemistry Symposium at the PACIFICHEM2010 Congress, Hawaii, Dec. 19-25, 2010.
30. Alabugin I. V. New Radical Reactions of Alkynes. 2010 Workshop “Radicals in the Rockies”, Telluride CO, July, 2010.
31. Alabugin I. V. (Presented July 2009). Electronic Effects in Radical Cyclizations of Alkynes. Presentation at Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH.
32. Alabugin I. V. (Presented July 2009). The Many Faces of Alkyne Photochemistry. Presentation at Gordon Research Conference on Photochemistry, Bryant University, Smithfield, RI.
33. Alabugin I. V. (September, 2007). Light-Activated Alkynes: From MO Crossings to DNA Cleavage. Plenary Lecture in 4th International Symposium on Integrated Synthesis (ISIS-4), Kyoto, Japan.
34. Alabugin I.V. (December, 2005). Photochemistry of Enediynes and Acetylenes. Plenary Lecture in PACIFICHEM2005 Symposium, Hawaii.
35. Alabugin I.V. (2005). Chemistry of Heterocyclic Acetylenes. Plenary Lecture in International Conference on Heterocyclic Chemistry, Moscow, Russia.
36. Alabugin I.V. (January, 2005) Photochemistry of Acetylenes and Enediynes: From MO Crossings to DNA Cleavage. Plenary (I-APS Young Investigator Award) Lecture in Inter-American Photochemical Society Symposium, Clearwater, FL.
37. Alabugin I.V. (January, 2004) New Cycloaromatization Reactions: Mechanism and Applications. Plenary Lecture in 30th Reaction Mechanisms Conference, Evanston, IL.
38. Alabugin I.V. (June, 2005) Computational Chemistry in the Design of New Organic Reactions. Keynote Lecture in MERCURY Symposium, Hamilton College.

**Invited Presentations at Conferences and Symposia**

1. Pacifichem 2025 - “Designed Pi Systems – Synthesis, Properties, Theory, and Function” Symposium.
2. Alabugin, I.V. Harnessing Transient Antiaromaticity. Saturday Seminar Series: Light as Reagent and Product. November 4, 2023, delivered virtually.
3. Alabugin, I.V. 6th Erlangen Symposium on Synthetic Carbon Allotropes, October 8-10, 2023, Erlangen, Germany.
4. Alabugin, I.V. New Trends in Chemistry - 2023, September 24-28, 2023, Yerevan, Armenia.
5. Alabugin, I.V. Heraeus Workshop “Solvation Chemistry and Reactive Molecules”, ISRIUM, September 17 -23, 2023, Bad Honnef, Germany.
6. Reductant Upconversion: From Electron Catalysis to C-H Aminations. Alabugin, I.V. 25th IUPAC International Conference on Physical Organic Chemistry (ICPOC 25) Hiroshima, Japan, 10-15 July, 2022.
7. Alabugin I. V. Radical Cascades Enabled by Electron Upconversion. 13th International Symposium on Organic Free Radicals (ISOFR-13), Muenster, Germany, June 1-5, 2020. *Postponed due to COVID-19*
8. Alabugin I. V. Computational Analysis of Electronic Effects on Structure and Reactivity: From Hybridization to Stereoelectronics to Electron Upconversion. International Conference on Current Trends in Computational Chemistry, Jackson, MS, November 8-9, 2019.
9. Alabugin I. V. From Alkyne Origami and Metal-Free C-H Aminations to Electron Upconversion: Bottom-up Approaches to Carbon-Rich Molecules. The 18th International Symposium on Novel Aromatic Compounds (ISNA-18), Hokkaido, Japan, 21-26 July, 2019.
10. Alabugin I. V. Alkyne Origami: Folding Oligoalkynes Into Polyaromatics. 2nd From Carbon-Rich Molecules to Carbon-Based Materials Conference, Nassau, Bahamas, 07-10 June, 2018.
11. Alabugin I. V. Discovery of The Missing Cycloaromatization: Using Photons for Fulvene Synthesis and Aldehyde Release. Frontiers in Photochemistry Conference, Cancun, Mexico 18 Feb - 21 Feb 2018.
12. Alabugin I. V. Reinventing Cycloaromatization Reactions: Diradical /Zwitter-Ion Dichotomy. 2017 WATOC conference, Munich, Germany, August 27-September 1, 2017.
13. Alabugin I. V. Unusual Tools in Design of Selective Cyclizations of Alkynes. 2017 Organic Letters/Journal of Organic Chemistry Award Symposium, ACS National Meeting, Washington, DC, August 20-24, 2017.
14. Alabugin I. V. Synergy of Cyclizations and Fragmentations in Radical Cascades. 12th International Symposium on Organic Free Radicals (ISOFR-12), Shanghai, China, October 09–14, 2016.
15. Alabugin I. V. Stereoelectronics of Alkyne Cyclizations and Fragmentations. Haley’s Symposium at University of Osaka, April 25, 2016, Osaka, Japan.
16. Alabugin I. V. Stereoelectronics of Alkyne Reactions. Pre-Symposium of the 70th Fujihara Seminar, April 16, 2016, Hiroshima, Japan.
17. Alabugin I. V., Bresch, S. Expanding Bent’s rule across the Periodic Table: orbital hybridization in main group elements. PACIFICHEM2015 Congress, Honolulu, December 15-20, 2015.
18. Alabugin I. V. Alkyne Photochemistry: from DNA cleavage to Stereoelectronics. Inter-American Photochemical Society Symposium, Sarasota, January 1-4, 2015
19. Alabugin I. V. Light-Activated Reagents for Double-Strand DNA Cleavage with Built-in Selectivity for Hypoxic Cancer Tissues. 12th Annual Congress of International Drug Discovery Science & Technology-2014 (IDDST-2014), November 18-20, 2014, Suzhou, China.
20. Alabugin I. V. Light-Activated Reagents for Double-Strand DNA Cleavage with Built-in Selectivity for Hypoxic Cancer Tissues. International Annual International Congress of Medichem-2014 (ICM-2014), November 18-20, 2014, Suzhou, China.
21. Alabugin I. V. Cyclizations of Alkynes: from stereoelectronics to cascade transformations. International Conference "Molecular Complexity in Modern Chemistry" (MCMC-2014), Moscow, Russia, September 13-19, 2014.
22. Alabugin I. V. Stereoelectronic control of radical cyclizations and fragmentations. 22nd IUPAC International Conference on Physical Organic Chemistry. Ottawa, Canada, August 10-15, 2014.
23. Alabugin I. V. Combining ligand design with photo-ligation to provide reactive and biocompatible quantum dots. Zing Conference on Nanomaterials, Playa del Carmen, Mexico, November 13-17, 2013.
24. Alabugin I. V. Light activated reagents for double Strand DNA cleavage with built-in selectivity for hypoxic cancer tissues. International Conference on Biochemical and Molecular Engineering, San Antonio, TX, October 7-9, 2013
25. Alabugin I. V. Light-activated Reagents for Double-strand DNA Cleavage. FSU DNA Symposium, Tallahassee, Fl, July 29, 2013.
26. Alabugin I. V. New Chemistry of Alkynes. 13th European Symposium of Organic Reactivity, Tartu, Estonia, September 11-15, 2011.
27. Alabugin I.V. Harnessing Alkyne Reactivity for New Cascade Transformations. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Tampa, Fl, May 2011.
28. Alabugin I. V. Light-Activated pH-Gated Alkyne and Enediyne Conjugates for Efficient Double-Stranded DNA Cleavage and Cancer Therapy. Presentation at Annual meeting of the COST Action CM0603 on "Free Radicals in Chemical Biology”, Bologna, Italy, July 1-2, 2010.
29. Alabugin I.V., Gilmore, P., W.-Y. Yang, R. Pal, Alkynes as Two Functional Groups in One Package. 2009 ACS Southeastern Regional Meeting (SERMACS), San Juan, Puerto Rico, 2009.
30. Alabugin I. V. Enediynes in a New Light: From MO Crossings to DNA Cleavage. Presentation at Inter-American Photochemical Society Symposium, Salvador, Brazil, 2006
31. Alabugin I.V. Communication and Miscommunication of Orthogonal Orbitals in Acetylene Chemistry and Photochemistry. Presentation at NSF Workshop on the “Interplay of Theory and Experiment in Photochemistry”, Salvador, Brazil, 2006.
32. Alabugin I.V. Triple Bonds: Two Functional Groups in One Package. Presentation at Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH, July 2005.
33. Alabugin I.V. MO Crossings in Cycloaromatization Reactions. Presentation at 228th ACS National Meeting, Philadelphia, August, 2004.
34. Alabugin I.V. (July 2004). New Cycloaromatization Reactions. Presentation at 2004 NSF Organic Chemistry Workshop, Green Lake, WI.
35. Alabugin I.V. (2003). Adding a Little Spin to Cycloaromatization reactions. Presentation at 8th International Symposium on Spin and Magnetic Field Effects in Chemistry and Related Phenomena, Chapel Hill, NC.
36. Alabugin I.V. (July 2003). New Photochemical Reactions of Enediynes: Mechanism and Applications. Presentation at Gordon Research Conference on Photochemistry, Mt. Holyoke, MA.
37. Alabugin I.V. (2002). Photochemistry of Enediynes. Florida Organic Faculty Meeting, Tampa, FL.
38. Alabugin I.V. (2002). Photochemistry of Enediynes: Beyond the Bergman Cyclization. Presentation at IUPAC Conference on Photochemistry. Budapest, Hungary.
39. Alabugin I. V. (2001). Natural bond orbital analysis of stereoelectronic effects. 221th ACS National Meeting, San Diego, CA, United States.

**Contributed Talks**

1. From Alkyne Origami to C-H Aminations: New Ways to Solve the Ouroborous Puzzle. 24th IUPAC Conference on Physical Organic Chemistry, Faro, Portugal, July 2, 2018.
2. Alabugin I. V. “Cat-on-a-curtain” control of radical reactivity: selective radical cascades from non-selective additions. 23rd IUPAC Conference on Physical Organic Chemistry, Sydney, Australia, 3rd - 8th July 2016.
3. Alabugin I. V. Stereoelectronic control of radical and metal-catalyzed cyclizations and fragmentations. 251st American Chemical Society National Meeting & Exposition, San Diego, March 13-17, 2016.
4. Alabugin I. V., Gomes, G. d. P. Reinventing cycloaromatization reactions with Au-catalysis: switch from diradical to zwitterionic pathways. PACIFICHEM2015 Congress, Honolulu, December 15-20, 2015.
5. Alabugin, I. V.; Gilmore, K.; Byers, P. Refining Baldwin rules for alkyne cyclizations: From stereoelectronics to cascade reactions. Presentation at 244th ACS National Meeting, Philadelphia, August, 2012.
6. Alabugin, I. V.; Baroudi, A.; Flack, P.; Mauldin, J. Direct conversion of phenols into amides and esters of benzoic acids through a one-pot addition/O-neophyl rearrangement/fragmentation sequence. Presentation at the 239th ACS National Meeting, San Francisco, CA, United States, March 21-25, 2010.
7. Alabugin, I. V.; Timokhin, V.; Pal, R.; Gilmore, K.; Abrams, J.; Abrams, R.; Manoharan, M. First efficient 5-endo-dig cyclization of carbon-centered radicals: 30+ Years from a prediction to the discovery. Presentation at the 239th ACS National Meeting, San Francisco, CA, United States, March 21-25, 2010.
8. Alabugin, I. V.; Baroudi, A. Fragmentations and rearrangements in the carbohydrate moiety of esperamycins: A possible mechanism of auto-resistance to natural enediynes antibiotics through conformational control. Presentation at the 239th ACS National Meeting, San Francisco, CA, United States, March 21-25, 2010.

**Invited/Contributed Talks given by Students**

1. C. Hu, I.V. Alabugin. Functionalized Phenylphenalenones via radical alkyne peri-annulation: making “oxidized” product without oxidant. FAME 2022, Tampa, Florida, USA, August 4-6, 2022.
2. B.K. Chabuka, L. R. Kuhn, M.A. Syroeshkin, I. V. Alabugin. Electron and Hole Catalysis via Reductant and Oxidant Upconversion: The Case of 1,2-disila-3,5-cyclohexadiene, Florida Association for Media in Education (FAME), Tampa, Florida, USA, August 4 – 6, 2022.
3. Roy, S.; Alabugin I.V. Jumping Through Protonation States: Engineering pH-Gated Transitions for Selective and Efficient Double Strand DNA Photocleavage. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Tampa, Fl, May 2011 *(Regional)*.
4. C. St. Laurent, K. Gilmore, I. V. Alabugin. Photo-Click Chemistry: Converting Alkynes to Homoquadricyclanes. First Annual Florida Statewide Student Research Symposium, Jacksonville, Fl 2011
5. A. Baroudi, I. V. Alabugin. Fragmentation and Rearrangements Promoted by the Bergman Cyclization/H-Abstraction Cascades: Insights in the Mechanism of Auto-Protection from Natural Enediyne Antibiotics. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 *(Regional)*.
6. P. Peterson, I. V. Alabugin, J. Delaune, N. Hill, M. Kingsley, J. Rubin. Orbital Crossings – A New Paradigm in Reaction Control. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 *(Regional)*.
7. R. Abrams, V. Timokhin, J. Abrams, M. Mariappan, I. V. Alabugin, C. Chatgilialoglu, Ferreri, C. Discovery and Studies of 5-Endo-dig Cyclization of Carbon-Centered Radicals. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 *(Regional)*.
8. K. Gilmore, I. V. Alabugin, S. Patil, M. Manoharan, S. V. Kovalenko, R. J. Clark, I. Ghiviriga. Radical Cascade Transformations of Tris(o-aryleneethynylenes) into Substituted Benzo[a]indeno[2,1-c]fluorenes. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 *(Regional)*.
9. Zeidan, T. A.; Kovalenko, S. V.; Clark, R.; Ghiviriga, I.; Gedris, T.; Alabugin, I. V. Photochemical Synthesis of 1,5-Diaryl Substituted Homoquadricyclanes: Mechanisms and Applications 229th American Chemical Society National Meeting, San Diego, CA, March 13-17, 2005 (*International*).
10. Zeidan, T. A.; Kovalenko, S. V.; Manoharan, M.; Alabugin, I. V. Dissecting the Bergman Cycloaromatization Kinetics for Ortho-substituted Benzannelated Enediynes 229th American Chemical Society National Meeting, San Diego, CA, March 13-17, 2005 (*International*).
11. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, I., Alabugin I.V. Thermal and Photochemical Reactions of Acetylenes: a) Ortho-Effect in the Bergman Cyclization b) Photochemical 1,2-Bicyclopropanation. From Mechanism to Applications. Special Seminar at the American University of Beirut, Beirut, Lebanon, August 14, 2004 *(Regional)*.
12. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, I., Alabugin I.V. Photocycloaddition Reactions of Diarylacetylenes with 1,4-Cyclohexadiene. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, FL, 2004 *(Regional)*.
13. Breiner, B., Kovalenko, S.V., Manoharan, M., Alabugin I.V. C1-C5 Photochemical Cyclization of Enediynes. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, FL, 2004 *(Regional)*.
14. Manoharan, M., Alabugin I.V. Radical cyclizations of vinyl and aryl radicals: 5-exo-dig/6-endo-dig competition and elusive 5-endo-dig pathway. 230th ACS National Meeting, Washington DC, 2006 (*International)*.

**Conference Poster Presentations**

1. D. I. Tonkoglazova, I. V. Alabugin. Electron upconversion in synthesis of N-containing polycyclic aromatic compounds. 23rd I-APS Winter Conference, Destin, Florida, USA, January 3 - 6, 2023.
2. B. K. Chabuka, I. V. Alabugin. Electron and Hole Upconversion in Designing Chemical Reactions. 23rd I-APS Winter Conference, Destin, Florida, USA, January 3 - 6, 2023.
3. L. R. Kuhn, V. A. Vil', Y. A. Barsegyan, A. O. Terent'ev, I. V. Alabugin. Carboxylate as a non-innocent L-ligand - computational and experimental search for metal-bound carboxylate radicals. Reaction Mechanism Conference, Boulder, Colorado, USA, June 12 - 15, 2022.
4. B. Chabuka, L. Kuhn, M. A. Syroeshkin, I. V. Alabugin. Electron and hole catalysis via reductant and oxidant upconversion: the case of 1,2-disila-3,5-cyclohexadiene. Reaction Mechanism Conference, Boulder, CO, June 2022.
5. C. J. Evoniuk, G. d. P. Gomes, S. P. Hill, I. V. Alabugin. Coupling N-H deprotonation, C-H activation and oxidation: metal-free C(sp3)-H aminations with unprotected anilines Florida Heterocyclic and Synthetic Conference, University of Florida, Gainesville, FL, March 4-7, 2018.
6. I. V. Alabugin, Supramolecular Control of Radical Reactivity. Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH, July 2017.
7. Gomes, G. d. P., Alabugin I. V. Stereoelectronic effects are in control: From the anomalous stability of bis-peroxides to radical cascade cyclizations. 251st American Chemical Society National Meeting & Exposition, San Diego, March 13-17, 2016.
8. R. K. Mohamed, S. Mondal, K. Jorner, T. Faria Delgado, H. Ottosson,  I. V. Alabugin, Photochemical cyclization of Enynes.  Gordon Research Conference on Photochemistry, July 2015.
9. T. Harris, N. Tsvetkov, C. J. Kelsheimer, W. Speranza, S. Emets, I. V. Alabugin, Stereoelectronically Activated Heterocycloalkynes for Bioorthogonal 'Click' Chemistry. Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH, July 2015.
10. C. E. Evoniuk, I. V. Alabugin, Alkenes as Synthetic Equivalents of Alkynes: Combining Cyclizations and Fragmentation to Design One-pot Synthesis of Quinolines From o-alkenylarylisocyanides. Gordon Research Conference on Physical Organic Chemistry, Holderness School, NH, July 2015.
11. Mohamed, R. K.; Mondal, S.; Gold, B.; Alabugin, I. V. Radicals Gone Wild at a Pool Party: Triple Bond Gets Attacked. 2014 Reaction Mechanisms Conference, Davis, CA, June 22-25, 2014.
12. Gold, B.; Batsomboon, P.; Schevchenko, N.; Bonus, N.; Dudley, G. B.; Alabugin, I. V. Chemical Yoga: making alkynes flexible and “clickable”. 2014 Reaction Mechanisms Conference, Davis, CA, June 22-25, 2014.
13. Mohamed, R. K.; De Faria, T.; Mondal, S.; Alabugin, I. V. Photochemical Transformation of Enynes to Fulvenes via a Cyclization-Fragmentation Cascade. 2014 Reaction Mechanisms Conference, Davis, CA, June 22-25, 2014.
14. Alabugin, I. V.; Gold, B.; Gilmore, K.; Peterson, P. W.; Mohamed, R. K. Alkynes: Two Functional Groups in One Package. 2014 Reaction Mechanisms Conference, Davis, CA, June 22-25, 2014.
15. Batsomboon, P.; Tummatorn, J.; Gold, B.; Alabugin, I. V.; Dudley, G. B. Fragmentation reactions generating strained cycloalkynes. 245th ACS National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013.
16. Vidhani, D. V.; Cran, J. W.; Krafft, M. E.; Alabugin, I. V.; Mariappan, M. Gold(I)-catalyzed [3, 3] sigmatropic rearrangement: A shift from a discernible-transition state to a disappearing-transition state. 245th ACS National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013.
17. I. V. Alabugin, New radical cyclizations, rearrangements and fragmentations. 11th International Symposium on Organic Free Radicals (ISOFR-11), Bern, Switzerland, 2012, *(International).*
18. I. V. Alabugin. S. Roy, W.-Y. Yang, K. Kaya. Towards light-activated anticancer agents: efficient double-strand DNA-photocleavage by enediyne-lysine and acetylene-lysine hybrids. 5th Drug Design and Medicinal Chemistry Summit, San Francisco, CA, 2011 *(International).*
19. Z. Rengert, B. Phrathep, W.-Y. Yang, I. V. Alabugin. Photoadditions of Acetylenes: Dimerization, Homoquadracyclane Formation, and Double-Stranded DNA Cleavage. Florida Annual Meeting and Exposition (FAME). Tampa, Fl, 2011 (*Regional)*.
20. C. St. Laurent, K. Gilmore, I. V. Alabugin. Photo-Click Chemistry: Converting Alkynes to Homoquadricyclanes, “Einsteins in the City” Conference, New York, NY 2011 (*International*)
21. B. Arline, K. Gilmore, I. V. Alabugin. Reductive Dimerizations of Diaryl Propynones. Florida Annual Meeting and Exposition (FAME). Tampa, Fl, 2010 (*Regional)*.
22. P. W. Peterson, J. D. Delaune, M. Kingsley, J. P. Rubin, F. Lutfi, A. Rodriguez, I. V. Alabugin, Orbital Crossings in Enediynes. Florida Annunal Meeting and Exposition (FAME), Tampa, Fl, 2010 (*Regional)*.
23. C. St. Laurent, K. Gilmore, I. V. Alabugin. Photoclick Chemistry. Florida Annual Meeting and Exposition (FAME). Tampa, Fl, 2010 (*Regional)*.
24. P. Byers, V. Barnes, S. Yazdani, R. Pal, B. Gold, I. V. Alabugin. Efficient 6-Exo-Dig/5-Exo-Dig Radical Cascade Transformations of Enediynes: Finding the Right Trigger for the Formation of Graphene Sheets. Florida Annual Meeting and Exposition (FAME). Tampa, Fl, 2010 (*Regional)*.
25. Alabugin, I. V.; Yang, W.-Y.; Breiner, B.; Kovalenko, S.; Callahan, C.; Sang, A.; Copland, J. A.; Le Grand, S. N. C-Lysine conjugates: pH-Controlled light-activated reagents for efficient double-stranded DNA cleavage with implications for cancer therapy. Presentation at the 239th ACS National Meeting, San Francisco, CA, United States, March 21-25, 2010.
26. A. Baroudi, I. V. Alabugin. New Radical Fragmentation and Rearrangements. Gordon Research Conference on Physical Organic Chemistry, 2009 (*International)*.
27. K. Gilmore, I. V. Alabugin. Building Complex Polycyclic Structures from Alkynes through Radical Cascade Transformations. Gordon Research Conference on Physical Organic Chemistry, 2009 (*International)*.
28. W.-Y. Yang, I. V. Alabugin, pH-Controlled Light-Activated Reagents for Efficient Double-Stranded DNA Cleavage. Gordon Research Conference on Photochemistry, 2009 (*International)*.
29. C. Ben, W.-Y. Yang, I. V. Alabugin, Q.-X. A. Sang. Application Of Photoactivatable Compounds To Target Human Prostate Cancer And Induce Apoptosis. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 (*Regional)*.
30. I. V. Alabugin, S. V. Kovalenko, M. Manoharan, V. Timokhin, B. Breiner, T. A. Zeidan, S. Peabody, S. Patil, J. Abrams, A. Baroudi, K. Gilmore, P. Peterson, W.-Y. Yang. Alkynes as two functional groups in one package. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2009 (*Regional)*.
31. Alabugin I. V., Timokhin, V.; Abrams, J., Breiner, B., Kovalenko, S. V., Manoharan, M., Yang, W.-Y., Schlatterer, J., Lopez, J., Abrams, R. New Photochemical Transformations Involving Alkynes: From Single Stranded🡪Double Stranded DNA Cleavage Conversion to the Elusive 5-Endo-dig Cyclization of Carbon-Centered Radicals. 18th I-APS Winter Conference, St. Petersburg, Florida, USA, January 3 - 6, 2008 (*International)*.
32. Yang, W.-Y., Breiner, B., Kovalenko, S. V., LeGrand, S. N., Callahan, C., Copland, J. A., Alabugin I. V. pH-Dependent DNA Binding and Photocleavage in Acetylene-Amino Acid Conjugates. 18th I-APS Winter Conference, St. Petersburg, Florida, USA, January 3 - 6, 2008 (*International)*.
33. Kovalenko, S. V.; Alabugin, I. V. Synthesis of Water Soluble Lysine-Enediyne Conjugates as Photoactivated DNA Double-Strand Cleavage Agents. 229th American Chemical Society National Meeting, San Diego, CA, March 13-17, 2005 (*International)*.
34. Breiner, B., Kovalenko, S.V., Manoharan, M., Alabugin I.V. C1-C5 Photochemical Cyclization of Enediynes. 16th I-APS Winter Conference, Clearwater Beach, FL, January 6-9, 2005 (*International)*.
35. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, I., Alabugin I.V. Triplet acetylenes as synthetic equivalents of 1,2-bicarbene. 16th I-APS Winter Conference, Clearwater Beach, FL, January 6-9, 2005 (*International)*.
36. Zeidan, T. A.; Kovalenko, S. V.; Ghiviriga, I.; Clark, R.; Alabugin, I. A. Mechanistic Studies on the photocycloaddition of Acetylenes to 1,4-Cyclohexadiene. 15th Triennial Conference for the International Society for Magnetic Resonance, Ponte Vedra Beach, FL, October 24-28, 2004 (*International)*.
37. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, Alabugin I.V. Photocycloaddition Reactions of Diarylacetylenes with 1,4-Cyclohexadiene. 30th Reaction Mechanisms Conference, Evanston, IL, June 25-28, 2004 (*International)*.
38. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Alabugin I.V. Ortho-effect in the Bergman Cyclization. 30th Reaction Mechanisms Conference, Evanston, IL, June 25-28, 2004 (*International)*.
39. Alabugin I.V., Peabody, S.; Kovalenko, S.V., Clark, R., Patil, S. Radical-Promoted Cyclizations of Polyynes: Mechanism, Applications and Speculations. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2004 (*Regional)*.
40. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, I., Alabugin I.V. Photocycloaddition Reactions of Diarylacetylenes with 1,4-Cyclohexadiene. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2004 (*Regional)*.
41. Breiner, B., Kovalenko, S.V., Manoharan, M., Alabugin I.V. C1-C5 Photochemical Cyclization of Enediynes. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2004 (*Regional)*.
42. Breiner, B., Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Alabugin I.V. C1-C5 Radical-Anionic Cyclization Of Enediynes. 8th International Symposium on Spin and Magnetic Field Effects in Chemistry and Related Phenomena, Chapel Hill, NC, 2003 (*International)*.
43. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Breiner, B., Clark, R., Ghiviriga, I., Alabugin I.V. Photochemistry of Enediynes. Gordon Research Conference on Photochemistry, Mt. Holyoke, MA, 2003 (*International)*.
44. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Clark, R., Ghiviriga, I., Alabugin I.V. Unusual Photocycloaddition Reactions of Substituted Acetylenes. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2003 (*Regional)*.
45. Zeidan, T.; Kovalenko, S.V., Manoharan, M., Alabugin I.V. Ortho-effect in the Bergman Cyclization. American Chemical Society, Florida Annual Meeting and Exposition (FAME). Orlando, Fl, 2003 (*Regional)*.
46. Alabugin I.V. New Photochemical Reactions of Enediynes. Inter-American Photochemical Society (I-APS) Meeting, Clearwater, Fl, 2003 (*International)*.
47. Kovalenko, S.V., Alabugin I.V. 1,2-Bis(tetrafluoropyridinylethynyl)benzenes: Synthesis and DNA photocleavage. 225th ACS National Meeting, New Orleans, LA, 2003 (*International)*.
48. Manoharan, M., Alabugin I.V. Can aromaticity control the [1,5]-hydrogen shift? A response from a DFT computational study. 225th ACS National Meeting, New Orleans, LA, 2003 (*International)*.
49. Zeidan, T., Alabugin I.V. Bergman cyclization: Ortho effect in benzannelated enediynes 225th ACS National Meeting, New Orleans, LA, 2003 (*International)*.
50. Alabugin I.V. Radical-anionic Cyclizations of Enediynes. IUPAC Conference on Physical Organic Chemistry, San Diego, Fl, 2002 (*International)*.
51. Alabugin I. V., Kovalenko, S.V., Manoharan, M., Breiner, B., Zeidan, T. In Search of Efficient Photochemical Bergman Cyclization. Gordon Research Conference on Photochemistry, Connecticut College. 2001 (*International)*.

**Invited Lectures at Universities and Companies:**

144. Nagoya University (May 7, 2024)

143. Kyoto University (May 2, 2024)

142. Osaka University, Toyaonaka Campus (April 24, 2024)

141. Osaka University, Suita Campus (April 23, 2024)

140. Osaka Metropolitan University (April 17, 2024)

139. University of Alberta (April, 2024)

138. University of Mississippi (January, 2024)

137. University of Memphis (Dec. 11, 2023)

136. Vertex Pharmaceuticals (July 27, 2023)

135. Bowling Green State University (September 14, 2022)

134. University of Ottawa – Gilead Lecture (March 30, 2022)

133. Florida International University (January 21, 2022)

132. Georgia State University (November 12, 2021)

131. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences (May 27, 2021)

130. Stanford University (October 9, 2020) – delivered via Zoom.

129. University of Kansas (March, 2020) – canceled due to COVID

128. University of Washington (December 5, 2019)

127. University of Houston (Oct. 2019)

126. Loyola University Chicago (Oct. 10, 2019)

125. University of Toronto (Oct. 4, 2019)

124. Guelph University (Oct. 3, 2019)

123. Brock University (Oct. 2, 2019)

122. Tokyo Institute of Technology (July 30, 2019)

121. Moscow State University (June 20, 2019)

120. University of Oxford (June 12, 2019)

119. Queen’s University, Belfast (May 31st, 2019)

118. University of Bath (May 23, 2019)

117. Cardiff University (May 2019)

116. University of Bristol (May 2019)

115. University of Brno (May 17, 2019)

113-114. University of Pavia (May 6-7, 2019)

112. Ludwig Maximilians University, Munich (April 26, 2019)

111. University of Erlangen (April 25, 2019)

110. University of Regensburg (April 24, 2019)

109. Max-Planck Institute (MPI) of Colloids and Interfaces (April 16)

108. University of Potsdam (April 15)

107. AstraZeneca UK (April 10, 2019)

106. University of Sheffield (April 5, 2019)

105. University of Maryland (March 28, 2019)

104. St. Petersburg State University (March 21, 2019)

103. University of Cambridge (March 14, 2019)

102. University of Oxford (February 14, 2019)

101. University of York (January 30, 2019)

100. Loughborough University (January 16, 2019)

99. University of Southampton (January 9, 2019)

98. ExxonMobil Research and Engineering (November 12, 2018)

97. University of Nevada-Reno (November 2, 2018)

96. Sorbonne (October 18, 2018)

95. Aix-Marseille University (October 17, 2018)

94. Colorado State University (October 1, 2018)

93. University of Vermont (April 16, 2018)

92. Wayne State University (April 5, 2018)

91. Bowling Green State University (April 4, 2018)

90. Institute of Organic Chemistry, Russian Academy of Sciences (March 16, 2018)

89. Georgia State University (February 13, 2018)

88. Emory University (February 12, 2018)

87. Auburn University (January 25, 2018)

86. University of Florida (Nov. 9, 2017)

85. Ohio State University (Oct. 31, 2017)

84. Boston College (Oct. 24, 2017)

83. University of Denver (Oct. 10, 2017)

82. University of Colorado-Boulder (Oct. 9, 2017)

81. University of Minnesota (Sept. 25, 2017)

80. University of Edinburgh (May 23, 2017)

79. University of Strathclyde (May 19, 2017)

78. University of Manchester (May 18, 2017)

77. Imperial College, London (May 17, 2017)

76. Texas A&M - 2016-2017 Student-Invited OCDC Speaker (Nov. 2016)

75. Boston University (Oct. 26, 2016)

74. Tsinghua University, Beijing (Oct. 17, 2016)

73. National Taiwan University (Oct. 7, 2016)

72. National Tsing Hua University (Oct. 6, 2016)

71. National Sun Yat-sen University (Oct. 5, 2016)

70. Iowa State University (September 30, 2016)

69. University of Rochester (September 9, 2016)

68. Osaka University (April 9, 2016)

67. Osaka Prefecture University (April 2016)

66. University of Alabama-Birmingham (October 2015)

65. UNC, School of Pharmacy (August 2015)

64. University of Illinois at Chicago (May 2015)

63. UNAM, Mexico City (March 2015, Mini-Course)

62. Karlsruhe Institute of Technology (December 2014)

61. VU University, Amsterdam, (December 2014)

60. Ludwig Maximilians University, Munich (December 2014)

59. University of Tubingen (December 2014)

58. University of Erlangen (December 2014)

57. ETH, Zurich (December 2014)

56. Shanghai Institute of Organic Chemistry (November 2014)

55. Northern Illinois University (October 2014)

54. Rutgers University (September 2014)

53. Uppsala University (July 2014)

52. Duke University (June 2014)

51. Moscow State University (June 2014, webinar)

50. Kyoto University (April 2014)

49. Kyushu University (April 2014)

48. University of New Brunswick (December 2013)

47. University of Texas, San Antonio (October 2013)

46. North Dakota State University (September 2013)

45. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences (July 2013)

44. University of Cincinnati (February 2013)

43. Louisiana State University (February 2013)

42. CINVESTAV, Mexico City, Mexico (November 2012)

41. UNAM, Mexico City, Mexico (November 2012)

40. Instituto de Investigaciones Químico Biológicas of the Universidad Michoacana de San Nicolás de

Hidalgo en Morelia, Michoacán, Mexico (November 2012)

39. University of Pennsylvania (February 2012)

38. Lehigh University (November 2011)

37. University of Houston (August 2011)

36. University of North Carolina (June 2011)

35. Consiglio Nazionale delle Ricerche, Bologna, (June 2010)

34. Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences (Prague, May 2010)

33. University of Siegen (May, 2010)

31. University of Marburg (May, 2010)

31. University of Bochum (May, 2010)

30. University of Wurzburg (May, 2010)

29. Justus Liebig University Giessen (May, 2010)

28. Institute of Chemical Kinetics and Combustion, Russian Academy of Sciences, (Novosibirsk, July 2009)

27. Université Pierre et Marie Curie (July, 2008)

26.  University of Georgia (February, 2008)

25.  Georgia Institute of Technology (February, 2008)

24.  Kyoto University (September, 2007)

23.  Nara Institute of Technology (September, 2007)

22.  Osaka University (September, 2007)

21.  Osaka Prefecture University (September, 2007)

20.  Case Western Reserve University (October, 2006)

19.  Portland State University (May, 2006)

18.  Princeton University (March, 2006)

17.  University of Miami (February, 2006)

16.  Northeastern University (December 2005)

15.  Boston College (December 2005)

14.  Purdue University (September, 2005)

13.  Northwestern University (April, 2005)

12.  Michigan State University (April, 2005)

11.  Florida State University (April, 2005)

10. University of Notre Dame (April, 2005)

9.  University of Chicago (April, 2005)

8.  University of Missouri-Columbia (March, 2005).

7.  Syracuse University (October, 2004)

6.  University of Wisconsin-Madison (September, 2004).

5.  3M Company, Twin Cities (April, 2004)

4.  University of Minnesota, Minneapolis (April 2004)

3.  University of California, Riverside (January 2004)

2.  University of California, San Diego (January 2004)

1.  University of Florida, Gainesville, Fl (October, 2002)

**Inventions**

**Patented Inventions**

1. Alabugin I. V.; Breiner, B.; Schlatterer, J. C.; Kovalenko, S. V.; Greenbaum, N. L. Site-specific cleavage of nucleic acids by photoreactive conjugates. U.S. Patent 7695912 (April 13, 2010).
2. Alabugin I. V.; Yang, W.-Y.; Breiner, B.; Schlatterer, J. C.; Kovalenko, S. V. (Submitted 2009). pH-Regulated DNA-cleaving agents consisting of a DNA-damaging warhead attached to a pH-responsive diamine for selective targeting of cancer cells. U.S. Patent 8242307 (awarded Aug. 21, 2012)
3. Alabugin I. V.; Baroudi, A. U.S. Patent Application No.: 13/053,756. Direct Conversion of Aromatic Alcohols into Amides and Esters of Aromatic Carboxylic Acids. US2011237798-A1; US8410303-B2.
4. Alabugin I. V.; Pal, R. New route to synthetic analogues of rocaglamide and aglafoline using cascade transformations initiated by oxy-Cope rearrangements of bis-alkynes. WO2012037062-A2; WO2012037062-A3; US2013165683-A1 (Issued Jan. 8, 2015)
5. Alabugin I. V.; Yang, W.-Y.; Roy, S.; Kaya, K., Sang, Q.-S. Dipeptide acetylene conjugates and a method for photocleavage of double strand DNA by dipeptide acetylene conjugates. U.S. Patent 8927728 (Issued Jan. 06, 2015).
6. Alabugin I. V.; Byers, P. Modular Synthesis of Graphene Nanoribbons And Graphene Substructures From Oligo-Alkynes. U.S. Patent US 20130109855 A1 20130502 (2013).
7. Mattoussi H.; Alabugin I. V.; Palui G.; Avellini, T. Photo Induced Phase Transfer of Luminescent Quantum Dots to Aqueous Media. U.S. Patent US 20130299745 A1 20131114 (2013).
8. Alabugin I. V.; Breiner, B.; Yang, W.-Y.; Gilmore, K. pH-dependent DNA-cleaving agents for cancer therapy (Divisional Patent Application submitted, March 2013).
9. Locke B.; Alabugin I. V.; R. Wandell, Hsieh, K., Bresch, S. Activating carbon-hydrogen bond using low temperature plasma, comprises injecting mixture comprising liquid water, gas, and organic compound into reactor, propagating plasma discharge from inlet capillary to outlet capillary tube. US2014262744-A1; WO2014153015-A1.
10. Alabugin I. V.; Byers, P. [Preparing a multicyclic structure, preferably graphene substructures and ribbons that are used in electronic applications, comprises cyclizing compound comprising repeat units of substituted heterocyclic compounds.](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=2&SID=2CFIXFazHCAW2psVeDI&page=12&doc=114)  U.S. Patent US2015073145-A1 (2015)
11. Alabugin I. V.; Byers, P. Modular synthesis of graphene nanoribbons and graphene substructures from oligo-alkynes - a method for the synthesis of carbon-based structures, particularly graphene substructures and ribbons, from oligo- and poly-alkyne starting materials. US Patent 9,273,023, (3/1/2016).
12. Alabugin, I. V.; Pati, K. Traceless directing groups in radical cascades: from oligoalkynes to fused helicenes without tethered initiators. US20160145276A1, Issued on June 13, 2017.
13. D. V. Vidhani, M. E. Krafft, I.V. Alabugin, Stereocontrolled Synthesis Of (E, Z)-Dienals Via Tandem Rh (I) Catalyzed Propargyl Claisen Rearrangement, A US20170129865A1 (2015/5/28).
14. I. V. Alabugin, S. Mondal, R. K. Mohamed, Alkenes As Alkyne Equivalents In Radical Cascades Terminated By Fragmentations, Application number 15/143,669 (2016/5/2) (Allowed May 8, 2017).
15. Harris, T.; Alabugin, I.V. Chiral Cyclodecynes and Methods, US Patent 10,421,738, 2019.
16. Plasma discharge reactor with flowing liquid and gas. B. R. Locke, I. V. Alabugin, R. Wandell, K. Hsieh, S. Bresch, US10610850B2, 2020-04-07, application granted.
17. Compounds, including nonsymmetrical polyaromatic hydrocarbons, and methods. I. V. Alabugin, N. dos Santos, Palazzo, A. US11667593B2, 2023-06-06, application granted.

**TEACHING**

**Courses Taught**

CHM 2210 Organic Chemistry I FSU Undergraduate Fall 2023

CHM 2210 Organic Chemistry I FSU Undergraduate Spring 2023

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2022

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2022

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2021

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2021

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2020

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2020

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2019

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2019

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2018

CHM 2211 Organic Chemistry II FSU Undergraduate Spring 2018

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2017

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2017

CHM 2211 Organic Chemistry II FSU Undergraduate Spring 2016

CHM 5245 Physical Organic Chemistry FSU Graduate Spring 2015

CHM 2211 Organic Chemistry II FSU Undergraduate Spring 2014

CHM4905 Directed Individual Study FSU Undergraduate 2003-present

CHM 5710 Chemical Structure and Bonding FSU Graduate Fall 2013

CHM 5225 Physical Organic Chemistry FSU Graduate Fall 2013

CHM 5710 Chemical Structure and Bonding FSU Graduate Fall 2012

CHM 5225 Structure FSU Graduate Spring 2012

CHM 2211 Organic Chemistry II FSU Undergraduate Fall 2011

CHM 2210 Organic Chemistry I FSU Undergraduate Spring 2011

CHM 5718 Topics In Material Chemistry II FSU Graduate Spring 2011

CHM 5225 Structure FSU Graduate Fall 2010

CHM 5718 Topics In Material Chemistry II FSU Graduate Spring 2010

CHM 5225 Structure FSU Graduate Fall 2009

CHM 5380-2 Survey of Hybrid Materials FSU Graduate Spring 2009

CHM 2210 Organic Chemistry I FSU Undergraduate Spring 2009

CHM 5225 Structure FSU Graduate Fall 2008

CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2008

CHM 2210 Organic Chemistry I FSU Undergraduate Fall 2007

CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2007

\*CHM 2210 Organic Chemistry I FSU Undergraduate Fall 2006

\*CHM 5225 Structure FSU Graduate Fall 2005

\*CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2005

\*CHM 5225 Structure FSU Graduate Fall 2004

\*CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2004

\*CHM 5225 Structure FSU Graduate Fall 2003

\*CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2003 \*CHM 5225 Structure FSU Graduate Fall 2002

\*CHM 5380 Stereoelectronic effects FSU Graduate Spring 2002

\*CHM 1030 Survey of General Chemistry FSU Undergraduate Fall 2001

\*CHM 1030 Survey of General Chemistry FSU Undergraduate Spring 2001

**New Course Development**

CHM 5380-2 Survey of Hybrid Materials FSU Graduate Spring 2009

CHM 5380 Special topics - Stereoelectronic effects FSU Graduate Spring 2002

**Curriculum Development**

Developed online components for the following courses:

CHM 2211 Organic Chemistry FSU Undergraduate Fall 2011

CHM 2210 Organic Chemistry FSU Undergraduate Fall 2007

CHM 2200C Survey of Organic Chemistry FSU Undergraduate Spring 2007

**Invited Mini-Courses:**

1. Stereoelectronic Effects – Connections between Structure and Reactivity, Young Scientists Organic Chemistry Winter School, Krasnovidovo, Russia, (January 2015)

2. Stereoelectronic Effects. UNAM, Mexico City (March 2015)

3. Natural Bond Orbital Analysis. Texas A&M - 2016-2017 Student-Invited OCDC Speaker (Nov. 2016)

4. Natural Bond Orbital Analysis – the Rosetta Stone of Computational Chemistry, Markovnikov Readings, Krasnovidovo, Russia, January 2017.

5. Stereoelectronic Effects. Universidade Federal do Rio de Janeiro, August 2023.

6. Stereoelectronic Effects. Osaka Metropolitan University, April, 2024.

**Chair of Doctoral Dissertation Supervisory Committees**

26. Favour Makurvet, a doctoral student (2025). Oxidative Termination without Oxidants: Incorporating “Weak Links” in Cyclization/Fragmentation Radical Cascades

25. Michael Commodore, a doctoral student (2025). Maximizing the Gain of Clar’s Sextets in Design of Polyaromatic Diradicals: on Route to Organic Magnets

24. Beauty Chabuka, a doctoral student (2025). Stereoelectronic Factors in Oxygen-Containing Organic Functional Groups

23. Nikolas Dos Santos, a doctoral student (2024). Triple Photochemical Cascade for De Novo Pyrene Synthesis

22. Leah Kuhn, a graduate (2023). Stereoelectronic Effects of Oxygen

21. Chaowei Hu, a graduate (2023). Radical Cascades that Convert Alkynes into Polyaromatics

20. Quintin Elliott, a doctoral student (2023). Radical Anionic C-H Aminations

19. Febin Kuriakose, a graduate (2022). Radical [3+3] Annulations

18. Adam Campbell, a doctoral student (2022). Photorelease of Aldehydes and Ketones

17. Edgar Gonzalez-Rodriguez, a graduate (2020). Polyarene π-Extension via Radical Alkyne peri-Annulations

16. Audrey Hughes, a graduate (2018). Synthesis, Structures and Properties of Functionalized Graphene Nanoribbons *(Scientist II, Computational Chemistry at* [*Alltrna*](https://www.linkedin.com/company/alltrna/)*)*

15. Gabriel Dos Passos Gomes, a graduate (2018). Computational Studies of Reaction Mechanisms

14. Chris Evoniuk, a graduate (2018). Radical Cascades for Synthesis of Carbon-Rich Materials

13. Trevor Harris, a graduate (2017). Accelerating Non-Catalyzed Click Chemistry through Transition State Stabilization.

12. Rana Mohamed, a graduate (2016). Alkenes Masquerading As Alkynes: The Thermal and Photochemical Cyclizations of Enynes.

11. Stefan Bresch, a graduate (2015). Organic Transformations in An Argon-Water Continuous Flow Plasma Reactor.

10. Kemal Kaya, a graduate. (2015). Molecular Design of Light Activated Alkyne-Aminoacid Hybrids. (Protonation States for Selective Double Strand DNA Photocleavage in Hypoxic Tumors: pH-Gated Transitions of Lysine Dipeptides)

9. Brian Gold, a graduate (2014). Stereoelectronic Control of Cycloadditions and Fragmentations.

8. Phil Byers, a graduate. (2013). Cascade Reactions for the Synthesis of Polycyclic Aromatic Hydrocarbons and Carbon Nanoribbons.

7. Paul Peterson, a graduate. (2013). Orbital Crossings: Enabling Communication Between Orthogonal Orbitals in Cycloaromatization Reactions.

6. Kerry Gilmore, a graduate. (2012). Cyclizations of Alkynes.

5. Wang-Yong Yang, a graduate. (2011). Design of pH-Controlled Light-Activated Reagents for Efficient Cleavage of Double-Stranded DNA and Cancer Phototherapy

4. Abdulkader Baroudi, a graduate. (October, 2010). Radical Fragmentations: From Conformational Control of Enediyne Reactivity to 1,2-C,O Transposition and Metal-Free Synthesis of Benzoates and Benzamides From Phenols.

3. Jason Abrams, a graduate. (2009). 5-Endo-dig Cyclization of a Carbon-Centered Radical and Utility of Cyclopentene Bromosulfone Product.

2. Boris Breiner, a graduate. (2006). Mechanism and Applications of C1-C5 Cyclization of Enediynes

1. Tarek Zeidan, a graduate. (2005). Thermal and Photochemical Reactions of Acetylenes: I-Ortho-Effect in the Bergman Cyclization of Benzannelated Enediynes II-Photocycloaddition of Acetylenes to Cyclic Dienes Mechanisms and Applications.

**Member of Doctoral Dissertation Supervisory Committees (year graduated)**

Divya Kumar

Vitaly Basisty

Erica Knorr, a doctoral student (2023).

Jiaqi Chen, a doctoral student. (2022)

Josue Liriano, a doctoral student. (2021)

Joseph Hurley, a doctoral student. (2021)

Stefan Brits, a doctoral student. (2020)

Suliman Ayad, a doctoral student. (2020)

Huihui Wang, a doctoral student. (2019)

Anna Salvati, a doctoral student. (2019)

Brandon Fultz, a doctoral student. (2019)

Kieber Robert, a doctoral student. (2019)

Alexander Blanchard, a doctoral student. (2019)

William Neary, a doctoral student. (2019)

Maribel Portillo, a doctoral student. (2019)

Dinesh Mitra, a doctoral student. (2018)

Aitchison, Erick, a doctoral student. (2017)

Theresa Eaton, a doctoral student. (2017)

Matthew Dickman, a doctoral student. (2017)

Rebecca Chandler, a doctoral student. (2016).

Ryan Barrett, a doctoral student. (2016)

Dinesh Mishra, a doctoral student. (2016)

Alec Morrison, a doctoral student. (2016).

Nick Kramer, a doctoral student. (2016).

Kirsten Daykin, a doctoral student. (2016).

Patrick Herbert, a doctoral student. (2016).

Rochester Gray, a doctoral student. (2016).

Ashley Longstreet, a doctoral student. (2015).

Chris Redwood, a doctoral student. (2015).

Paratchata Batsomboon, a doctoral student. (2015).

Ron Ramsubhag, a doctoral student. (2015).

Michael Rosana, a graduate. (2014).

Brian Ondrusek, a graduate. (2014).

Hoa Phan, a graduate. (2014).

Tyler Simmons, a graduate. (2013).

Garrett English, a doctoral student. (2014).

Marilda Lisboa, a graduate. (2013).

Susana Lopez, a graduate. (2011).

Sneha Duga, a graduate. (2012).

Ali Younes, a graduate. (2012).

Guocan Li, a graduate. (2013).

Rob Demont, a doctoral student. (2013).

Tania Houjeiry, a graduate. (2012).

Ali Lehaf, a graduate. (2012).

Wendy Brotherton, a graduate. (2013).

Kai-Yuan Shih, a doctoral candidate. (2012).

Jiang Shao, a doctoral candidate. (2012).

Brian Stapleton, a graduate. (2013).

Tiglet Besara, a graduate. (2011).

Hui-min Zhang a graduate. (2009).

Bo Liang, a graduate. (2009).

Jingyue Yang, a graduate. (2011).

Selma Mededovich , a graduate. (2006).

Ozge Gunaydin-sen, a graduate. (2007).

Saritha Nellutla, a graduate. (2007).

Houssam Jomaa, a graduate. (2005).

Matthew Bernett, a graduate. (2004).

**Chair of Master’s Supervisory Committees**

Michael Maxwell, a graduate (2021). From C-H Aminations to Extended Polyaromatics

Thais De Faria Delgado, a graduate (2017). Cascade Photochemical Reactions

Satish Patil, a graduate. (2005). Tributyltin Mediated Cascade Radical Cyclizations of Aryleneethynylenes.

Scott Peabody, a graduate. (2004). Radical Cyclizations of Enediynes: Mechanistic Studies and Synthetic Applications.

**Member of Master’s Thesis Supervisory Committees**

Kyle Manning, a graduate (2013)

Ian Walton, a graduate (2011)

Susana Lopez, a graduate. (2009).

Qiang Cao, a graduate. (2006).

Murat Kahveci, a graduate. (2003).

Darui Xu, a graduate. (2003).

Jenny Baxter, a graduate. (2003).

**Postdocs Supervised:**

1. Sergey Kovalenko (2000-2004), Present: Leading Scientist at Halocarb
2. Mariappan Manoharan (2001-2005), Present: Bethune-Cookman University, Asst. Professor
3. Vitaliy Timokhin (2007-2008), Present: Great Lakes Bioenergy Research Center, UW-Madison, Research Scientist
4. Runa Pal (2009-2011), Present: Syngene International Ltd.
5. Samuya Roy (2010-2011), Present: Biocon - Bristol Myers Squibb Research Centre (BBRC)
6. Nikolay Shevchenko (2011-2012), Present: Sibur
7. Sergey Emets (2012-2014), Present: Avekshan LLC
8. Sayantan Mondal (2012-5), Assistant Professor, Department of Chemistry at Bankura Zilla Saradamani Mahila Mahavidyapith
9. Kishore Pati (2013-15), Leading Scientist at Grace Therapeutics
10. Nikolai Tsvetkov (2014-17), Assistant Professor, Thomas University
11. Dinesh Vidhani (2015-2016), Assistant Professor, Miami Dade College
12. Rahul Kawade, (2017-2020) - Syngene international Lmt.
13. Anthony Sekar (2022-2023)

**Visiting scholars**

1. Xin-Gang Jia (2015) - Xi'an Shiyou University
2. Pritam Kadam (2015) – Bochum University
3. Rabia Ayub (2016) – Uppsala University
4. Satoshi Fujita (2017) – Kyushu University
5. Tomoka Hosokawa (2018) – Osaka Prefecture University
6. Daria Tonkoglazova (Fulbright, 2022-23) – Rostov University

**Undergraduate Students Supervised**

1. Joshua Loewenstern Chemistry FSU DIS Spring 2024
2. Ian Vallari Chemistry FSU DIS Fall 2023-24
3. Christopher Rincon Chemistry FSU DIS Fall 2023-24
4. Devon Nobrega Chemistry FSU DIS Spring 2023-24
5. Gage Bayliss Chemistry FSU DIS Fall 2023-24
6. Makaya Robinson Saint Mary's College REU Summer 2023
7. Jahbari Bowen Chemistry FSU DIS Summer 2023-
8. Thomas Suarez Chemistry FSU DIS Spring 2023-
9. Vanessa Spinelli Chemistry FSU DIS Fall 2022-
10. Erika Hendrickson Chemistry FSU DIS Fall 2021-
11. Justin Speciale Chemistry FSU DIS Fall 2021-
12. Amanda Miles Chemistry FSU DIS Fall 2021-
13. Braden Woo Chemistry FSU DIS Fall 2021-
14. Jonathan Gomez Chemistry FSU DIS Fall 2021-
15. Jordan Artzy Chemistry FSU DIS Fall 2020-
16. Nico Carbone Chemistry FSU DIS Fall 2020-
17. Alexandria Palazzo Chemistry FSU DIS Spring 2020-
18. Patricia Mehaffy Chemistry FSU Volunteer Spring 2020-
19. Josef Macelli Chemistry FSU DIS Spring 2020-
20. Jordan Suarez Chemistry FSU DIS Spring 2020-
21. Curtis DeShong Chemistry FSU DIS Spring 2020-
22. Angel Chu Chemistry FSU DIS Spring 2019-
23. Ashton Hagen Chemistry FSU DIS Fall 2018-19
24. Tyler Weinhold Chemistry UTampa REU Summer 2018
25. Alfredo Vidal-Gutierrez Chemistry FSU DIS Spring 2018-
26. Scott Caputo Chemistry FSU DIS Spring 2018-
27. Cameron Healy Chemistry FSU DIS Fall 2017-
28. Brooke McFarland Chemistry FSU DIS Fall 2017-
29. Tashmay Jones Chemistry BCU REU Summer 2017
30. Troy Sloss Chemistry FSU DIS Spring 2017
31. Morgan Skala Chemistry FSU DIS Spring 2017-
32. Zach Blashinsky Chemistry FSU UROP student Fall 2016-
33. Shelby Davis Chemistry FSU DIS Fall 2016-
34. George Concepcion Chemistry FSU DIS Summer 2016-
35. Mariana Alves Chemistry FSU DIS Summer 2016-
36. Jonathan Grisiaffi Chemistry FSU DIS Summer 2016-
37. Cambre Williams Chemistry Bethune-Cookman University Summer 2016-
38. Dominique Hale Chemistry Bethune-Cookman University Summer 2016-
39. Brandon Crowther Chemistry FSU Volunteer Summer 2016-
40. Miguel Abdo Chemistry FSU DIS Fall 2015-Sping 2018
41. Andrew Castro Chemistry FSU UROP student Fall 2015
42. Arian Rastgou Chemistry FSU UROP student Fall 2015
43. David Dan Chemistry FSU Summer Research Summer 2015
44. Ana Phelan Chemistry FSU Volunteer Summer 2015
45. Qudsi Baker Chemistry FSU Volunteer Summer 2015
46. Obi Ugochuhuu Chemistry FSU Volunteer Summer 2015
47. Joseph Guerrera Chemistry FSU Volunteer Spring 2015-
48. Sarah Crawford Chemistry FSU 10151L Spring 2015
49. Maycee Mularkee Chemistry FSU 10151L Spring 2015
50. Tristan Vaughan Chemistry FSU DIS student Spring 2015-
51. Peter Coutros Chemistry FSU Volunteer Spring 2015-
52. Crysta Oliver Chemistry FSU DIS student Spring 2015-
53. Cindy Martinez Chemistry FSU Volunteer Fall 2014-
54. CJ Kelsheimer Chemistry FSU DIS student Fall 2014-
55. Alister Bent Chemistry Harvard REU Summer 2014
56. Iris Denmark Chemistry BCU REU Summer 2014
57. Guillermo del Valle Chemistry (Univ. Autón. de Madrid) Volunteer Summer 2014
58. Anusha Kavuru High School Volunteer Summer 2014
59. Allison Pearce Chemistry FSU Volunteer Summer-Fall 2014
60. John Paul Kolcun Chemistry FSU Volunteer Summer 2014
61. Miriam Swartz Chemistry FSU Volunteer Summer 2014
62. Nicholas Bigerton Chemistry FSU DIS student Summer 2014-
63. Liam Speranza Chemistry FSU DIS student Summer 2014-
64. Jacob Andring Chemistry FSU DIS student Summer 2014-
65. Christopher Michas Chemistry FSU Volunteer Summer 2014-
66. Gabriel dos Passos Gomes Chemistry UFRJ LASER Fellow Spring 2014
67. Michelle Ly Chemistry FSU 10151L/DIS Spring 2014-
68. Cristina Chiodi Chemistry FSU 10151L Spring 2014
69. Chase Goldsborough  Chemistry FSU Volunteer Spring 2014-
70. Thais De Faria Chemistry FSU Volunteer Spring 2014-
71. David Allenger Chemistry FSU DIS student Spring 2014-
72. Juan Nogues Chemistry FSU Volunteer Fall 2013
73. Diana Fritzner Chemistry FSU DIS student Summer 2013-
74. Alex Lopez Chemistry FSU DIS student Spring 2013-14
75. Daniel Farinas Biom. Eng. FSU Volunteer Spring 2013-
76. Olivia Bass Chemistry FSU Volunteer Spring 2013
77. Ilya Piskun Chemistry FSU UROP student Fall 2012-Spring 2015
78. Tim Guest Chemistry FSU DIS student Fall 2012
79. Corinne Brack Chemistry FSU Volunteer Summer 2012
80. Kelly Hensley Chemistry FSU Volunteer Summer 2012
81. Kasey Schaettle Chemistry FSU Volunteer Summer 2012
82. Sarah Rappach Chemistry FSU Volunteer Spring 2012
83. Kathryn Kaleel Chemistry FSU Volunteer Spring 2012
84. Juan Rojas Chemistry FSU DIS student Spring 2012-2013
85. Michael Bruno Chemistry FSU DIS student Spring 2012
86. Alexandra Morgan Chemistry FSU DIS student Spring-Fall 2012
87. Lessie Skiba Chemistry FSU 10151L Spring 2012
88. Michael Scheer Chemistry FSU 10151L Spring 2012
89. Julian Rashid Chemistry FSU Volunteer/DIS Fall 2011-Spring 2013
90. Daniel Gesua Chemistry FSU Volunteer Fall 2011
91. Brian Lynch Chemistry FSU DIS student Summer 2011-Fall12
92. Trevor Harris Chemistry FSU Volunteer Summer 2011-12
93. Kadar Gelinas Chemistry FSU Volunteer Fall 2011
94. Madeleine Johnson Chemistry FSU DIS student Summer 2011-Spr12
95. Travis CreveCoeur Chemistry FSU DIS student Summer 2011
96. Audrey Smith Chemistry FSU DIS student Summer 2011-Spr12
97. Jameka Dorsey Chemistry FSU Volunteer Spring 2011
98. Mary Wojcik Chemistry FSU 1051L Spring 2011
99. Hannah Bartges Chemistry FSU 1051L Spring 2011
100. Rebecca Allen (Thompson) Biological Science FSU BSC4900 Fall 2009-Fall 2011
101. James Thompson Biological Science FSU BSC4900 Fall 2009-Fall 2011
102. WolfgangWesson Chemistry FSU DIS student Fall 2010-Spring 2011
103. Angela Sayoc Chemistry FSU DIS student Summer 2010-Fall 10
104. Zlatko Sokolikj Chemistry FSU DIS student Fall 2010-Spring 2013
105. Forat Lufti Chemistry FSU DIS student Spring 2010-2011
106. Zach Rengert Chemistry FSU DIS student Summer 2010-
107. Jason Kirincich Chemistry FSU DIS student Fall 2010-Spring 2012
108. Matthew Gatcombe Chemistry FSU DIS student Fall 2010-Summer 11
109. Camila Cairo Chemistry FSU DIS student Summer 2010
110. Ayisha Buckley Chemistry FSU DIS student Summer 2010
111. Natalie Bonus Chemistry FSU DIS student Spring 2010-Fall 11
112. Anabel Rodriguez Chemistry FSU DIS student Spring 2010-Fall 10
113. Grant Vellanti Chemistry FSU DIS student Spring 2010-Fall 10
114. Dani Phrathep Chemistry FSU DIS student Spring 2010-Fall 11
115. Catalina Zapata Chemistry FSU 1051L Spring 2010
116. Blake Davis Chemistry FSU 1051L Spring 2010
117. Nalisha Minors Chemistry FSU DIS student Fall 2009-Fall 10
118. Sheeva Yazdani Chemistry FSU DIS student Fall 2009-Fall 10
119. Catalina Galvis Chemistry FSU DIS student Fall 2009-Spring 10
120. Vivian Sterling Chemistry FSU DIS student Fall 2009-Spring 10
121. Vekarious Barnes Chemistry FSU DIS student Summer 2009- Fall 10
122. Chris Davis Chemistry FSU DIS student Summer, Fall 2009
123. Jeremiah Alicea Chemistry FSU DIS student Summer 09-Spring 11
124. Catherine St. Laurent Chemistry FSU DIS student Summer 09-Spring 11
125. Daniel Van Jelgerhuis Chemistry FSU 1051L Spring 2009
126. Morgan Malloy Chemistry FSU 1051L Spring 2009
127. Phillip Flack Chemistry FSU DIS student Spring 2008- 2010
128. Lindsey Rosen Chemistry FSU DIS student Spring 2008-09
129. Maggie Kingsley Chemistry FSU DIS student Fall 2008-2010
130. Josyln Rubin Chemistry FSU DIS student Fall 2008-Spring 2010
131. Alexandra Elios Chemistry FSU DIS student Fall 2008, Fall 2009
132. Samantha Marrone Chemistry FSU DIS student Fall 2008-Summer 09
133. Heidi Moreno Chemistry FSU DIS student Summer 2008
134. Justin Mauldin Chemistry FSU DIS student Summer 08-09
135. Nigel Hill Chemistry FSU DIS student Summer 08-Spring 09
136. Rita Gordon Chemistry FSU DIS student Summer 08-Fall08
137. Jess Delaune Chemistry FSU DIS student Summer 2008-10
138. Andrew Rice Chemistry FSU 1051L/DIS Spring 2008-Fall 09
139. Shannon Mills Chemistry FSU 1051L Spring 2008
140. Brian Puckett Chemistry FSU DIS student Spring 2008- Fall 08
141. Nathan Roney Chemistry FSU DIS student Spring 2008-09
142. Matthew Clark Chemistry FSU DIS student Spring 2008-Fall 08
143. Adam Morris Chemistry FSU DIS student Spring 08- Spring 09
144. Lacy Stark Chemistry FSU DIS student Fall 2007-Spring 08
145. Benjamin Arline Chemistry FSU DIS student Spring 2008-Fall 09
146. Rachel Abrams Chemistry FSU DIS student Fall 2007-Spring 09
147. Catherine Callahan Chemistry FSU DIS student Spring 2007- Fall 09
148. Dani Contini Chemistry FSU 1051L Spring 2007
149. Jonathan Lopez Chemistry FSU DIS student Fall 06-Fall 08
150. Karen Ritter Chemistry FSU 1051L Spring 2006
151. Jon Yarbrough Chemistry FSU DIS student Fall 2006
152. Andrew Klein Chemistry FSU DIS student Fall 2006
153. Peter Kaus Chemistry FSU DIS student Fall 2006
154. Casey Fulmer Chemistry FSU DIS student Spring-Fall 2006
155. Matthew Buck Chemistry FSU DIS student Fall 05-Spring 06
156. Patrice Worthy Chemistry FSU DIS student Summer 2005
157. Aaron Pearson Chemistry FSU DIS student Fall 04 –Spring 05
158. Alexander Dorofeev Chemistry FSU Summer Research Summer 2004
159. Chris French Chemistry FSU Hughes Fellow Spring 2004
160. Christina Storozuk Chemistry FSU CHM 1051L Spring 2004
161. Jennifer Markiewicz Chemistry FSU CHM 1051L Spring 2004
162. Jeff Whalen Chemistry FSU Summer Research Summer 2003
163. Olga Barykina Chemistry FSU Summer Research Summer 2003
164. Megan Stultz Chemistry FSU CHM 1051L Spring 2003
165. Chris French Chemistry FSU CHM 1051L Spring 2003
166. Amy Hinsley Chemistry FSU DIS student Spring 2003
167. Alexander Schevtsov Chemistry FSU Summer Research Summer 2002
168. Anatoly Vereschagin Chemistry FSU Summer Research Summer 2002
169. Elissey Yagodkin Chemistry FSU Summer Research Summer 2002
170. Katrina Coumbos Chemistry FSU CHM 1051L Spring 2002
171. Deborah McGee Chemistry FSU CHM 1051L Spring 2002
172. Melissa Naiman Chemistry FSU Fisher Fellow Summer 2001
173. Alexander Chirokov Chemistry FSU Summer Research Summer 2001
174. Juliya Sumskaya Chemistry FSU Summer Research Summer 2001
175. Nikolai Tsvetkov Chemistry FSU Syncure Fellowship Summer 2001

**Chair of Undergraduate Honors Thesis Committees:**

Jeremiah Alicea (Spring 2011) Metal-Free Synthesis of Benzoates and Benzamides from Phenols and a New Radical Fragmentation Cyclization Reaction

Natalie Bonus (Fall 2011) Stereoelectronic Assistance to Click Chemistry

Diana Fritzner (Spring 2015) D-Lysine DNA Photocleavage

Morgan Skala (Spring 2020) Carbon-Rich Molecules from Alkynes

**Member of Undergraduate Honors Thesis Committees:**

Elise Cook (2007-08). FSU College of Medicine.

Cameron Hanna (Spring 2013), FSU Biology Department

Delanyo Seshie (Spring 2014), FSU-FAMU College of Engineering

David Reece (Spring 2015), FSU-FAMU College of Engineering

Kelsi Meliah (Spring 2015), FSU College of Medicine.

CJ Kelsheimer (Spring 2016), FSU Psychology Department

**High School Students Supervised**

Benjamin Au (2005). FSU Young Scholars Program.

**SERVICE**

**Florida State University**

**University**

Judge at the 2015 FSU Postdoctoral Symposium.

Liaison between FSU Library and Department of Chemistry and Biochemistry (2003-07).

Author of many recommendation letters for FSU graduate and undergraduate students (>200 letters, 2002-present).

Member of University Graduate Policy Committee (GPC) subcommittee to review the graduate program in Mechanical and Industrial Engineering (Fall 2011).

Faculty Senate, Florida State University (2012-14)

Member of College of Art and Sciences Promotion and Tenure Committee (2012)

Poster session judge at the 3d Annual FSU Postdoc Symposium (2015).

Faculty Senate, Florida State University (2019-21).

**College of Arts and Sciences**

Committee Member, Interdepartmental Faculty Search Committee (Biochem/CSIT), Spring 2003.

**Department of Chemistry:**

Committee Chair, Organic Chemist Search Committee, 2013

Committee Chair, Space Committee, 2013-14

Committee Chair, Graduate Recruiting and Admissions Committee, 2006-2010

Committee Chair, Public Relations Committee, 2005-06.

Committee Chair, Departmental Computers Committee, 2002-05

*Committee Member:*

Executive Committee, 2015-

Space Committee, 2014-

NMR Committee, 2014-15

Faculty Addition Committee, 2013-14

Promotion Committee, 2011-

Theory/Quantum Chemist Search Committee, 2008, 2012

Departmental Website Committee, 2007-2010

Canvassing Committee, 2007-08

Executive Committee, 2006 -2010

Molecular Recognition Building Committee, 2005

Faculty Search Committee (Organic Chemistry), 2003, 2004, 2013

Faculty Search Committee (Inorganic Chemistry), 2003, 2004

Faculty Search Committee (Physical Chemistry), 2003

By-Laws Committee, 2004-06

Facilities Committee, 2003

Infrastructure Committee, 2002

Faculty Merit Raise Committee, Spring 01

Public Relations Committee, Spring 05-06

Departmental Computers Committee, Fall 01-05

Graduate Recruiting and Admissions Committee, Fall 01-present

Safety Committee, Fall 00-06

Editor of the Departmental Alumni Newsletter (2004-05).

Coordinator of Organic Seminar Program (2003 - 08).

*Recruitment and Outreach Talks at the Following Universities:*

26. Carleton College (Northfield, Minnesota, April 12, 2024).

25. Spencer Symposium at Florida Southern College (January 27, 2023)

24. South Methodist University (January 29, 2021).

23. Southeastern University (February 3, 2021)

22. University of Duluth (September, 2019)

21. Taming of Molecules, Russian Chemical Society (May 20, 2019)

20. Samford University (May 4, 2018)

19. Florida Southern College (Fall, 2014)

18. FAMU-FSU Student Chapter of the Biomedical Engineering Society (February, 2013)

17. Colby College (March, 2012)

16. Valdosta State University (October, 2007)

15. Davidson College (September, 2006)

14. Rhode Island College (April, 2006)

13. Roger Williams University (April, 2006)

12. Oakwood College (January 2006)

11. East Tennessee University (September, 2005)

10. University of Central Florida (January, 2005)

9. Florida Institute of Technology (November, 2004)

8. Hamilton College (October, 2004)

7. Florida International University (Biscayne Bay Campus), FL (November, 2003)

6. Barry University, FL (November 2003)

5. Berry College, GA (October, 2003)

4. University of North Florida, FL (October, 2003)

3. Florida International University, FL (November, 2002)

2. Florida Memorial College, FL (November, 2002)

1. College of Charleston, Charleston, SC (September, 2002)

**The Profession**

**Service to Professional Associations**

Chair of 2027 Gordon Research Conference on Physical Organic Chemistry

Scientific Advisory Board of the ICESAA (International Conference on Excited State Aromaticity and Antiaromaticity), 2022-.

Organizing Committee Member, 25th IUPAC International Conference on Physical Organic Chemistry, Hiroshima, Japan, 2022.

Member of Fulbright National Screening Committee - 2020 (59 applications), 2021 (48 applications)

Chair of 2020/2022 Reaction Mechanisms Conference

Chair of 2019 Gordon Research Conference on Photochemistry

Session Chair, Aromaticity 2018 Conference

Session Chair, 2017 Gordon Research Conference on Physical Organic Chemistry

Session Chair, 2017 ISRIUM.

IUPAC Subcommittee on Structural and Mechanistic Organic Chemistry, USA Representative (2014-): <https://iupac.org/who-we-are/divisions/division-details/?body_code=305>.

Advisory Board, Reaction Mechanisms Conference (2014-)

Session Chair, MCMC-2014, Moscow, Russia, 2014.

Co-Organizer –the 2013 Inter-American Photochemical Society (I-APS) Meeting.

Co-Organizer – A. Beckwith Symposium at the 2012 Fall ACS meeting.

Discussion Leader - Gordon Research Conference on Physical Organic Chemistry, NH, USA (2011).

Co-Organizer of the Cope Organic Symposium for the 2011 Florida Annual Meeting and Exposition (FAME) of the American Chemical Society, Tampa, Fl.

Member of International Scientific and Advisory Committee for the Molecular/Nano-Photochemistry, Photocatalysis and Solar Energy Conversion SOLAR'08. Cairo, Egypt (2008).

Scientific Advisory Board, Lifeboat Foundation (2007-present).

Member of the Organizing Committee for the NSF Workshop "The interplay of theory and experiment in photochemistry”, Salvador, Brazil (2006).

Organizer of the Organic Symposium for the 2004 Florida Annual Meeting and Exposition (FAME) of the American Chemical Society (2005).

Advisory Board Member and Secretary for the Inter-American Photochemical Society (I-APS) (2005-present).

**Reviewer for Refereed Journals (2000-present, >1400 papers reviewed)**

1. J. Am. Chem. Soc.
2. J. Org. Chem.
3. Science
4. Angewandte Chemie
5. Proceedings of National Academy of Science
6. Org. Letters
7. Chemical Reviews
8. J. Phys. Org. Chem.
9. Accounts of Chemical Research
10. Nature Materials
11. Nature Chemistry
12. Chem
13. J. Phys. Chem. A
14. J. Phys. Chem. B
15. J. Comput. Chem.
16. Chemical Physics
17. Chem. Phys. Letters
18. Eur. J. Org. Chem.
19. Chemistry – Eur. Journal
20. Langmuir
21. Chemical Society Reviews
22. J. Photochemistry & Photobiology
23. Photochem. & Photobiol. Sciences
24. Natural Product Research
25. Carbohydrate Research
26. Tetrahedron Letters
27. Theochem
28. Journal of Sulfur Chemistry
29. Beilstein J. Org. Chem.
30. Chemistry of Materials
31. Inorganic Chemistry
32. Crystal Growth and Design
33. Journal of Computational Chemistry
34. Journal of Medicinal Chemistry
35. Physical Chemistry Chemical Physics
36. Molecules
37. Journal of Molecular Structure
38. Chemical Sciences
39. CrystEngComm
40. RSC Advances
41. Journal of Structural Chemistry
42. International Journal of Quantum Chemistry
43. Advanced Synthesis & Catalysis
44. Polymer Chemistry
45. Organic and Biomolecular Chemistry
46. Pure and Applied Chemistry
47. Croatica Chemica Acta
48. Zeitschrift für Physikalische Chemie
49. Medicinal Chemistry Communications
50. Molecular Physics
51. Chinese Journal of Chemistry
52. Colloids and Surfaces B: Biointerfaces
53. Theoretical Chemistry Accounts
54. Journal of Molecular Catalysis A
55. New Journal of Chemistry
56. Canadian Journal of Chemistry
57. Australian Journal of Chemistry
58. Dalton Transactions
59. Structural Chemistry
60. Dyes and Pigments
61. ACS Combinatorial Science
62. Letters in Drug Design & Discovery
63. Molecular BioSystems
64. Organic Process Research & Development
65. Journal of Photochemistry and Photobiology B: Biology
66. Journal of Biophysics
67. Journal of Organometallic Chemistry
68. Mendeleev Communications
69. Asian J. Org. Chem.
70. Sensors & Actuators: B. Chemical
71. PLOS ONE
72. Water Research
73. Current Medicinal Chemistry
74. International Journal of Molecular Medicine
75. Organic Chemistry Frontiers
76. ACS Central Science
77. Journal of Materials Chemistry C
78. Biochemistry
79. Nanomaterials
80. Molecular Diversity
81. Royal Society Open Science
82. Nature Catalysis
83. Journal of Antibiotics
84. ChemBioChem
85. ACS Omega
86. Applied Microbiology and Biotechnology
87. Plasma Chemistry and Plasma Processing
88. ACS Sustainable Chemistry and Engineering
89. Russian Chemical Reviews („Uspekhi Khimii“)
90. Science China – Chemistry
91. J. Phys. Chem. B
92. J. Phys. Chem. Letters
93. Review Journal of Chemistry
94. Symmetry
95. Chemistry
96. Nature Communications
97. Catalysis Science & Technology
98. The European Physical Journal D
99. Computational and Theoretical Chemistry
100. Heliyon
101. Israel Journal of Chemistry
102. Research
103. Cell Reports Physical Sciences
104. ACS Sustainable Chemistry & Engineering
105. Communications Chemistry
106. JACS Au
107. ACS Applied Optical Materials
108. Topics in Current Chemistry

**Reviewer for Grant Agencies**

(2013) New Eurasia Foundation

(2012) Israel Science Foundation

(2010) Iraq Scientist Engagement Program

(2005-present) U.S. Civilian Research & Development Foundation

(2005-present) Czech Science Foundation

(2004-present) Research Corporation

(2003-present) National Science Foundation

(2003-present) Petroleum Research Fund (administered by the American Chemical Society)

(2014-present) Russian Science Foundation

(2016-present) U.S. Department of Energy

(2017-2020) ​ National Defense Science and Engineering Graduate Fellowship

(2019) RSC Newton International Fellowships

(2019) Leverhulme Prize, Royal Chemical Society

(2019-22) Fulbright Commission

(2021) French National Research Agency (ANR)

(2023) Polish National Science Foundation

**Editorial:**

2023 – Editor-in-Chief, Chemistry

2022 - Member of Editorial Board, the Organic & Biomolecular Chemistry (OBC)

2020 - Member of Editorial Board, Reviews Journal of Chemistry

2020-22 - Member of Editorial Board, Bulletin of Moscow State University

2019-22 - Member of International Advisory Board, Russian Journal of Organic Chemistry

2018-22 – Member of International Advisory Board, Russian Chemical Bulletin

2017 – Member of Editorial Board, Molecules

2016 - Associate Editor, the Journal of Physical Organic Chemistry

2012 - Guest Editor for the ISRIUM issue of the Journal of Physical Organic Chemistry

**Service to Other Universities**

External Reviewer for Tenure and Promotion to Associate Professor, Case Western Reserve University (2024)

External Reviewer for Promotion to Associate Professor, Al-Hussein Bin Talal University, Jordan (2024)

External PhD Thesis Examiner, Indian Institute of Technology-Kharagpur (2024)

External PhD Thesis Examiner, University of Alberta, Canada (2024)

External PhD Thesis Examiner, Indian Institute of Technology (2023)

External Reviewer for Promotion to Associate Professor, Florida International University (2023)

Nomination for Alon Faculty Fellowship, Technion, Israel (2021)

Nomination for Azrieli Faculty Fellowship, Technion, Israel (2021)

External Reviewer for Promotion to Professor, Colorado State University (2020)

External Reviewer for Tenure and Promotion to Associate Professor, Iowa State University (2019).

External Reviewer for Promotion to Professor, Florida International University (2019)

External Reviewer for Promotion to Chaired Professor, University of Edinburgh (2018)

External PhD Thesis Examiner, Sorbonne (2018)

External PhD Thesis Examiner, The University of New England, Australia (2018)

External Reviewer for Promotion to Full Professor, Iowa State University (2018).

External Reviewer for Tenure and Promotion, Auburn University (2018).

Evaluator for the Institute of Organic Chemistry and Biochemistry of the Czech Academy of Science (2018)

External PhD Thesis Examiner, National Institute of Pharmaceutical Education and Research,

India (2017)

External Reviewer for Promotion, South Dakota School of Mines (2017).

External Reviewer for Promotion, Tufts University (2017).

External PhD Thesis Examiner, Indian Institute of Technology Kharagpur, India (2016).

External Reviewer for Promotion, University of Cincinnati (2015).

External Reviewer for Nomination in The World Academy of Sciences (TWAS) (2015).

External Reviewer, Institute of Science and Technology, Austria (2014).

External Reviewer for Promotion, University of Nizwa, Oman (2014).

External PhD Thesis Examiner, Indian Institute of Technology Kharagpur, India (2014).

External Reviewer for Tenure and Promotion, Kansas State University (2012).

External PhD Thesis Examiner, University of Melbourne, Australia (2010, 2012).

External Reviewer for Tenure and Promotion, Florida Atlantic University (2008).

External Reviewer for Promotion, University of Florida (2007).

1. # Scholarly and creative activities that occurred before employment at FSU. [↑](#footnote-ref-1)