

Faculty Name: Sameh H. Abdelwahed **Work Address:** P.O. Box 519; MS 1060
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Position Title: Assistant Professor

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Education:	Degree and Area of Study	Institution Name	Degree Date
	Doctorate - Organic Chemistry	Marquette University	2001-2006
	Master – Medicinal Chemistry	Cairo University	1999
	B.S. - Chemistry	Cairo University	1995

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Post-doctoral Biochemistry	Texas A&M University	2009-2018
	Post-doctoral Biochemistry	Cornell University	2007-2009
	Instructor – Part time	Blinn College	2014-2018

Professional Publications:

- 1- Rajendra Rathore, Sameh H. Abdelwahed; Design and Synthesis of Cofacially-Arrayed Polyfluorene Wires for Electron and Energy Transfer Studies; *Molecules* 2023 28 (9), 3717; <https://doi.org/10.3390/molecules28093717>
2. Rajendra Rathore, Sergey V. Lindeman Sameh H. Abdelwahed; Design, Synthesis, Electronic Properties, and X-ray Structural Characterization of Various Modified Electron-Rich Calixarene Derivatives and Their Conversion to Stable Cation Radical Salts; *Molecules* 2022, 27(18), 5994; <https://doi.org/10.3390/molecules27185994>
3. Yasmin M. Syam, Manal M. Anwar, Somaia S. Abd El-Karim ,Khaled M. Elokelyand, Sameh H. Abdelwahed; New Quinoxaline-Based Derivatives as PARP-1 Inhibitors; Design, Synthesis, Antiproliferative, and Computational Studies; *Molecules* 2022, 27(15), 4924; <https://doi.org/10.3390/molecules27154924>
4. Ahmad Junaid, Grace Abolaji, Sameh Abdelwahed. Computational Screening for Novel Herbal-based SARSCoV-2 Structural Protein Modulators. *Biomed J Sci & Tech Res* 40(1)-2021. BJSTR. MS.ID.006400
5. Zhang, X.; Basuli, F.; Abdelwahed, S.; Begley, T.; Swenson, R., Radiosynthesis of 5-[18F] Fluoro-1,2,3-triazoles through Aqueous Iodine–[18F]Fluorine Exchange Reaction. *Molecules* 2021, 26 (18), 5522.
6. Charge-transfer or excimeric state? Exploring the nature of the excited state in cofacially arrayed polyfluorene derivatives A Abzhanova, LV Ivanova, D Wang, TS Navale, SH Abdelwahed, *Journal of Photochemistry and Photobiology A: Chemistry* 2019, 374, 125-130
7. Derek M. Gagnon, Troy A. Stich, Angad P. Mehta, Sameh H. Abdelwahed, Tadhg P. Begley, R. David Britt, An Aminoimidazole Radical Intermediate in the Anaerobic Biosynthesis of the 5,6-dimethylbenzimidazole Ligand to Vitamin B12. (*Journal of the American Chemical Society.*, 2018, 140 (40), pp 12798–12807)
8. Maxim V. Ivanov, Marat R. Talipov, Anitha Boddeda, Sameh H. Abdelwahed, and Rajendra Rathore; ‘Hückel Theory + Reorganization Energy = Marcus–Hush Theory: Breakdown of the 1/n Trend in π -Conjugated Poly-p-phenylene Cation Radicals Is Explained’ *Journal of Physical Chemistry C* (2017), 121(3), 1552-1561.
9. Isita Jhulki, Prem K. Chanani, Sameh H. Abdelwahed, and Tadhg P. Begley; “Roseoflavin biosynthesis: A remarkable oxidative cascade that replaces the riboflavin C8 methyl with an amino group”; *Journal of the American Chemical Society*, (2016), 138 (27), pp 8324–8327.

