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Research Interests: My research interest lies at the interface of organic chemistry and biology, dealing with the synthesis and development of intelligent agents for the treatment of diseases associated with oxidative stress (e.g., cancer, neurodegenerative diseases).	
Publications: 36. Shaaban, S. , Vervandier-Fasseur, D., Andreoletti, P., Richard, P., Negm, A., Zarrouk, A., Jacob, C., Lizard, G., Cherkaoui-Malki, M. Cytoprotective and antioxidant properties of organic selenides for the myelin-forming cells, oligodendrocyte. <i>Bioorganic Chemistry Journal</i> . 2018 , 80, 43-56. DOI: https://doi.org/10.1016/j.bioorg.2018.05.019 . 35. Liu, N.W., Liang, Margraf, N., S., Shaaban, S. , Luciano, V., Drost, M., Manolikakes, G. Liang, S., Shaaban, S., Liu, N. W., Hofman, K., Manolikakes, G. Recent Advances in the Synthesis of C-S-Bonds via Metal-Catalyzed or –Mediated Functionalization of C-H-Bonds. <i>Advances in Organometallic Chemistry</i> , 2018 , Volume 69 1 st Edition. 34. Liu, N.W., Liang, Margraf, N., S., Shaaban, S. , Luciano, V., Drost, M., Manolikakes, G. Nickel-Catalyzed Synthesis of Diaryl Sulfones from Aryl Halides and Sodium Sulfinates. <i>European Journal of Organic Chemistry</i> . 2018 , Volume 2018, Issue10. DOI: 10.1002/ejoc.201701478. 33. Abdel-Wahab, B. F., Shaaban, S. , El-Hiti, G. A. Synthesis of sulfur-containing heterocycles via ring enlargement. <i>Molecular Diversity</i> . 2018 , Volume 22, Issue 2, pp 517–542. DOI: https://doi.org/10.1007/s11030-017-9810-3 . 32. Hamama, W.S., El-Bana, G.G., Shaaban, S. , Habib, O.M.O., Zoorob, H.H. Synthetic approach to some new annulated 1,2,4-triazine skeletons with antimicrobial and cytotoxic activities. <i>Journal of Heterocyclic Chemistry</i> . 2018 , Volume55, Issue4, Pages 971-982. DOI: 10.1002/jhet.3127 31. Shaban, E., Nassar, S. H., Shaaban, S. , Gaafar, H. Synthesis and Antibacterial Activity of Some New Azo Disperse Dyes Containing Selenium and their Application in Polyester Printing. <i>Egyptian Journal of Chemistry</i> . 2017 , 11, 60, 2-5. DOI: 10.21608/EJCHEM.2017.1561.1121 30. Shaaban, S. , Liu, N.W., Liang, S., Manolikakes, G. Synthesis of sulfones via selective C-H-functionalization. <i>Organic & Biomolecular Chemistry</i> . 2017 , ,15, 1947-1955. 29. Hamama, W.S., El-Bana, G.G., Shaaban, S. , Habib, O.M.O., Zoorob, H.H. An easy access to construct some fused 1,2,4-triazines with ring junction nitrogen systems and their biological evaluation. <i>Journal of Heterocyclic Chemistry</i> . 2017 , 54, 1, 422 PP. 28. Gaffer, H.E., Elgohary, M., Etmán, H., Shaaban, S. Antibacterial evaluation of cotton fabrics by using novel sulphonamide reactive dyes. <i>Pigment & Resin Technology</i> . 2017 , Vol. 46 Issue: 3, pp.210-217. DOI: https://doi.org/10.1108/PRT-08-2015-0080	

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