

CURRICULUM VITAE

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CAREER PROFILE/SUMMARY

Sameera N. Al-Ghamdi is an Assistant professor at Organic Chemistry, Chemistry Department, Science College, Al-Baha University, Saudi Arabia. She obtained her PhD and Msc degrees in Organic Chemistry from King Abdul-Aziz University, Saudi Arabia, in **2021** and **2011**, respectively. She also obtained her Bsc degree from Chemistry Department, Al-Baha University, Saudi Arabia, in **2004**. Currently, she is working as an Assistant professor, Organic chemistry, Science College, Al-Baha University, Al-Baha, Kingdom of Saudi Arabia. Her research interest includes Heterocyclic synthesis, Metal-free organic dyes synthesis, DSSCs solar cell, extraction and natural products.

EDUCATION/ACADEMIC QUALIFICATIONS

2021 **Ph.D.** in organic chemistry, from Faculty of Science, King Abdul-Aziz University, Saudi Arabia.

Thesis title is: **Donor–acceptor– π –acceptor molecular architectures for efficient dye-sensitized solar cells**

2011 **MSc** in organic chemistry, from Faculty of Science, King Abdul-Aziz University, Saudi Arabia.

Thesis title is: **A Phytochemical Investigation of Some Flowering Plants in Al-Baha region**

2004 **BSc** in Chemistry, from Faculty of Science, Al-Baha University, Saudi Arabia.

PUBLICATIONS

[1] Shalaby NM, Abd-Alla HI, Hamed MA, **Alghamdi SN** and Jambi SM. Flavones composition and therapeutic potential of *Dodonaea viscosa* against liver fibrosis. International Journal of Phytomedicine 2012;4:27.

[2] Abd-Alla HI, Shalaby NM, Hamed MA, El-Rigal NS, **Alghamdi SN** and Bouajila J. Phytochemical composition, protective and therapeutic effect on gastric ulcer and α -amylase inhibitory activity of *Achillea biebersteinii* Afan. The Pharmaceutical Society of Korea Springer 2015;38.

[3] Basoudan N, Taie H, Abu-Gabal N, **Alghamdi SN** and Shalaby NM. Phytochemical Study And Antioxidant Activity Of Some Flowering Plants Growing Wild In Al-Bahah In Saudi Arabia. Research Journal of Pharmaceutical, Biological and Chemical Sciences 2019;10(3): 498.

[4] **Alghamdi SN**, El-Shishtawy RM, Asiri AM. Synthesis and Solvatochromic Properties of Novel Donor-Acceptor- π -Donor Systems Derived From Acetylphenothiazine. 5th International Conference on Scientific Research. ISR-2019. Sharm El Sheikh, Egypt. 2019, March 26-29.

[5] **Alghamdi SN**, Alghamdi HA, El-Shishtawy RM and Asiri AM. Advances in phenothiazine and phenoxazine-based electron donors for organic dye-sensitized solar cells. *Dyes and Pigments* 2021;194:109638.

[6] **Alghamdi SN**, El-Shishtawy RM and Asiri AM. Synthesis and solvatochromic properties of novel donor-acceptor- π -donor systems derived from acetylphenothiazine. *Submitte*.

[7] Gharsan FN, Kamel WM, Alghamdi TS, Alghamdi AA, Althagafi AO, Aljassim FJ and **Alghamdi SN**. Toxicity of citronella essential oil and its nanoemulsion against the sawtoothed grain beetle *Oryzaephilus surinamensis* (Coleoptera: Silvanidae). *Industrial Crops & Products* 2022.

[8] Al-Zahrani FA, Al-Zahrani NA, **Al-Ghamdi SN**, Lin L, Salem SS and El-Shishtawy RM. Synthesis of Ag/Fe₂O₃ nanocomposite from essential oil of ginger via green method and its bactericidal activity. Springer. *Biomass Conversion and Biorefinery* 2022;1-9

[9] Nhari LM, Bifari EN, Al-Marhabi AR, Al-Ghamdi HA, **Al-Ghamdi SN**, Al-Zahrani FA, Al-Footy KO and El-Shishtawy RM. Synthesis of Novel Key Chromophoric Intermediates via C-C Coupling Reactions. *Catalysis* 2022;12:1292

[10] Nhari LM, Bifari EN, Al-Marhabi AR, Al-Zahrani FA, Al-Ghamdi HA, Al-Zahrani FA, **Al-Ghamdi SN**, Asiri AM and El-Shishtawy RM. Synthesis of novel phenothiazine, phenoxazine and carbazole derivatives via Suzuki-Miyaura reaction. *Journal of Organometallic Chemistry* 2023;989: 122648

[11] Abdel-Lateef MA, Albalawi MA, **Alghamdi SN**, Mahdi WA, Alshehri S and El Hamd MA. Determination of metanil yellow dye in turmeric powder using a unique fluorescence Europium doped carbon dots. *Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy* 2023;287:122124.

PRESENTATIONS

“Synthesis and Solvatochromic Properties of Novel Donor-Acceptor- π -Donor Systems Derived From Acetylphenothiazine” 5th International Conference on Scientific Research. ISR-2019. Sharm El Sheikh, Egypt. 2019, March 26-29.

TEACHING EXPERIENCE

Teaching the following courses:

General Chemistry 1 - Organic Chemistry 1 - Organic Chemistry 2 - Chemistry of polynuclear aromatic compounds - Organic reaction mechanism - Petroleum Chemistry - Specialized English for Chemistry - Graduation Project.