

CURRICULUM VITAE

PERSONAL DATA

Name	Sarah Dhaifallah Alharbi
Nationality	Saudi
Position	Lecturer
E-Mail	Salharbii@imamu.edu.sa
Phone	-

EDUCATION

Year	Academic Degree	Institution
2014	Bachelor's degree in chemistry with the first degree of honor, college of science	King Saud University
2019	Master's degree of sciences in chemistry, college of science	King Saud University

WORK EXPERIENCE

Period	Position	Address
10/Aug/2017- 31/Dec/2020	Teaching assistant	Imam Muhammad ibn Saud Islamic University, College of Sciences: Chemistry Department
31/Dec/2020 - Present	Lecturer	Imam Muhammad ibn Saud Islamic University, College of Sciences: Chemistry Department

RESEARCH INTERESTS

Theoretical Chemistry, Computational Chemistry

PUBLICATIONS

- 1- Ben Abdallah, D., Al Mogren, M. M., **Dhaif Allah Al Harbi, S.**, & Hochlaf, M. (2018). Rotational (de-) excitation of isocyanogen by collision with helium at low energies. *The Journal of chemical physics*, 149(6), 064305.
- 2- Chen, T. W., Rajaji, U., Chen, S. M., Al Mogren, M. M., Hochlaf, M., **Al Harbi, S. D. A** & .Ramalingam, R. J. (2019). A novel nanocomposite with superior electrocatalytic activity: A magnetic property based ZnFe₂O₄ nanocubes embellished with reduced graphene oxide by facile ultrasonic approach. *Ultrasonics sonochemistry*, 57, 116-124.
- 3- **Al Harbi, S. D. A.**, Al Mogren, M. M., Elmarghany, A., Abdallah, D. B., Mehnen, B., Linguerri, R., & Hochlaf, M. (2019). Gold with+ 4 oxidation state compounds: mass spectrometric and theoretical characterization of AuO²⁺. *Physical Chemistry Chemical Physics*, 21(29), 16120-16126.
- 4- Al Mogren, M. M., Zerroug, E., Belaidi, S., BenAmor, A., & **Al Harbi, S. D. A.** (2020). Molecular structure, drug likeness and QSAR modeling of 1, 2-diazole derivatives as inhibitors of enoyl-acyl carrier protein reductase. *Journal of King Saud University-Science*, 32(4), 2301-2310.
- 5- Al Mogren, M. M., Ben Abdallah, D., **Al Harbi, S. D. A.**, Al Salhi, M. S., & Hochlaf, M. (2021) . Collisional (de-) excitation of protonated cyanoacetylene (HC₃NH⁺) by helium at low and moderate temperatures. *Monthly Notices of the Royal Astronomical Society*, 503(2), 2902-2912.
- 6- Mogren Al Mogren, M., Ben Abdallah, D., **Dhaif Allah Al Harbi, S.**, & Senent, M. L. (2022). Collision excitation of c-C₃H-(X¹A₁) by He. *The Journal of Chemical Physics*, 156(18), 184302.
- 7- Abdallah, D. B., Mogren, M. M. A., **Harbi, S. D. A. A.**, Salhi, M. A., & Hochlaf, M. (2023). Collision excitation of nitrous acid (HONO) by helium: isomerization effect. *Monthly Notices of the Royal Astronomical Society*, 521(3), 4162-4172.