

SEHAM ALANAZI

PROFESSIONAL SUMMARY

To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills. Inspiring Professor brings advanced teaching skills and department leadership experience. Goal-oriented to advance department, improve teaching and modernize courses. Extensive background in research and university fundraising. Respected academic with history of facilitating student learning. Adapts to students' needs to deliver top-quality lectures. Leads and supervises in-depth research projects on chemistry.

WORK HISTORY

Assistant professor, 01/2023 to Current

King Saud University - Riyadh, Riyadh Region

- Participation in teaching theoretical courses in General Chemistry and Analytical Chemistry.
- Supervising bachelor's graduation research projects for female students at King Saud University.
- Discussion of Master theses in the Department of Chemistry,
- Developed multidisciplinary approaches to education, ensuring high-quality teaching, research and student experiences.
- Managed curriculum design and implementation, developing clear, concise learning methodologies through research and planning.
- Maintained data administration effectively and efficiently in line with company policies.
- Helped students to achieve target grades through continuous curricular support and motivation.
- Managed challenging behavior effectively, reducing classroom incidents to maintain positive learning environments.
- Facilitated extra-curricular workshops and activities alongside main teacher.

Committees:

- Member of Community of Evaluation and Academic Accreditation Committee in chemistry department
- Coordinator of Public Relations and Community Partnership Committee in chemistry department in chemistry department
- Member of Laboratories and Safety Committee in chemistry department

CONTACT

Address: Riyadh, Riyadh Region

Phone: +966 500032607

Email: sehamalenazi@gmail.com

WEBSITES, PORTFOLIOS, PROFILES

<https://faculty.ksu.edu.sa>

</ar/sealenazi/course/382801>

SKILLS

- Classroom management
 - Lesson planning
 - Academic mentoring
 - Student progress reporting
 - Administering chemistry tests
 - Student records management
 - Academic advisement
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Lab Administrator, 07/2010 to 01/2023

King Saud University - Riyadh, Riyadh Region

- Taught courses involving analytical chemistry of qualitative and organic chemistry
- Taught qualitative and quantitative analytical chemistry and used UV/VIS
- Helped students during the experiments
- Evaluated student progress and reported this to the students and other teachers.

Laboratory demonstrator, 01/2004 to 01/2006

Northern Borders University - Rafha, Northern Borders Region

- Taught courses involving analytical chemistry of qualitative and organic chemistry
 - Helped students during the experiments
 - Evaluated student progress and reported this to the students and other teachers
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SYMPOSIA AND COURSES

- Attendance workshop offered by the Deanship of Skills Development, as following:
- Microteaching and peer consultation
- Effective university teaching
- Using modern technologies in teaching, Deanship of Skills Development
- Evaluation of learning outcomes and electronic tests
- Design and build the course
- Different personality types among students and methods of dealing with them
- Teaching using problem-solving strategies
- Building and managing work teams
- Derivation of program learning outcomes from the National Qualifications Framework
- PERMA 18 career well-being skills
- Developing research ideas
- Scientific supervision of postgraduate students
- Preparing for the visit and academic credentials
- Writing project proposals and research grants
- Preparing for the visit and preparing academic accreditation files
- Academic advising skills

EDUCATION

Bachelor of Science, General Chemistry, 1998 to 2001

King Saud University - Riyadh, Riyadh Region

Master of Science, Analytical and Forensic Chemistry - Merit, 09/2016 to 09/2017

Hull University - Hull

Doctor of Philosophy, Analytical Chemistry, 01/2018 to 09/2022

Leeds University - Leeds

LANGUAGES

English

Advanced

Arabic

Native

Publication

1. Optimizing predictive models for evaluating the F -temperature index in predicting the π -electron energy of polycyclic hydrocarbons, applicable to carbon nanocones
2. Electrospun polyacrylonitrile nanofiber composites integrated with Al-MOF/mesoporous carbon for superior CO₂ capture and VOC removal
3. Predictive potential of distance-related spectral graphical descriptors for structure-property modeling of thermodynamic properties of polycyclic hydrocarbons with applications
4. Comparative analysis of high-performance UF membranes with sulfonated polyaniline: Improving hydrophilicity and antifouling capabilities for water purification
5. Structural, Optical, Electrical and Photocatalytic Investigation of n-Type Zn²⁺-Doped α -Bi₂O₃ Nanoparticles for Optoelectronics Applications
6. Two novel temperature-based topological indices with strong potential to predict physicochemical properties of polycyclic aromatic hydrocarbons with applications to silicon carbide nanotubes
7. The electrochemical performances of porous niobium pentoxide with multi-walled carbon nanotubes nanocomposite incorporated with glassy carbon electrode for the sensing of chloramphenicol
8. Predictive potential of eigenvalues-based graphical indices for determining thermodynamic properties of polycyclic aromatic hydrocarbons with applications to polyacenes
9. Bimetallic nanoparticles supported on Ce-BTC for highly efficient and stable reduction of nitroarenes: Towards environmental sustainability
10. Discovery of pyrrole-triphenylamine based novel organic sensitizers for dye-sensitized solar cells: A first principal study
11. A smart textile fabric-based optical nano-biosensor for hydrogen peroxide and glucose monitoring
12. Covalent organic framework-based aptananozyme (COF@NH₂ apt-AFM1): A novel platform for colorimetric and fluorescent aptasensing of AFM1 in milk
13. Synergistic co-assembly of artificial carbon nanozyme and natural peroxidase to design dual active molecularly imprinted interface for endocrine disruptor's detection in industrial effluent
14. Electrochemical (Bio) Sensors for Pesticides Detection in Water Quality Monitoring: An Updated Review
15. Design of a Nano-Functionalized Lab-on-Paper Optical Sensing Platform for On-Site Detection of Ascorbic Acid in Natural Fruit Juices
16. Target responsive aptamer functionalized metal-organic framework hydrogel beads for optical detection of ochratoxin A in rice samples
17. Non-invasive and user-friendly visual detection of salivary phosphate using enzymatic biosensor test strip for chronic kidney disease screening
18. Engineering high-affinity and selective molecular recognition redox active imprinted platform on carbon cloth for electrochemical sensing of aflatoxin B1 in milk samples
19. Aptamer-functionalized CeCuO₃ Perovskite Nanocrystals as an 'on-off-on' fluorescent sensor for Ochratoxin A detection in rice samples
20. Predictive power of parametric temperature based topological indices with applications in structure property modeling of anti-tuberculosis drugs