

Research interests of Faculty Members in the Biochemistry Division – Department of Chemistry - UAEU.

Dr. S. Salman Ashraf

- Enzymes and microbes mediated remediation of contaminated wastewater
- Protein Chemistry - structure and function studies with Green Fluorescent Proteins
- Cancer and oxidative stress - natural products and medicinal plants
- Innovation in teaching

Dr. Jody D. Haddow

- Aberrant protein expression in the down syndrome brain
- Monoclonal antibodies in diagnostics and therapeutics
- Camel monoclonal antibodies
- Electrochemical methods in Analytical chemistry: quantification of polyphenols and sialic acid

Dr. Bayan Al-Dabbagh

- Purification and characterization of membrane proteins involved in the bacterial cell wall synthesis.
- Catalytic mechanism and substrate specificity of peptidoglycan enzymes.
- Development of novel inhibitors targeting the membrane steps of peptidoglycan biosynthesis.
- In vitro toxicological studies of hepatocytes.
- Epidemiology and role of biochemical markers in cardiovascular diseases, obesity and diabetes in the Arabian Gulf countries.