



جامعة الأمير محمد بن فهد
PRINCE MOHAMMAD BIN FAHD UNIVERSITY

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The manuscript was carefully re-read and approved by a native English speaker, Kim Andrews BSc, M.Sc, PhD.

Dr. Kim Andrews holds a PhD in Chemistry (Organic Chemistry) from Purdue University in West Lafayette Indiana, USA. A MSc. in Chemistry (Gas Phase Organic Chemistry) from University of Tennessee in Knoxville Tennessee, USA and a BSc. in Chemistry from Mercer University in Macon Georgia, USA. Her PhD graduate studies from Purdue were focused on Organo-Metallic Chemistry with emphasis in asymmetrical porphyrin synthesis and their ability to intercalate into DNA as potential photodynamic therapeutic agents. After completing her PhD graduate studies, she worked for a fortune 500 chemical company which lead to filing and obtaining European and American patent applications. Her work led to leading high profile scientific projects in Germany where she worked and lived during her assignments. In addition to the fore mentioned experience Dr. Kim has also worked as a senior site manufacturing chemist and she later took on a leadership role for another specialty chemical company as a principal scientist to help expand the company product portfolio. Upon receiving her MSc. in Chemistry, she worked for a fortune 500 pharmaceutical company where she served as a process product improvement specialist and technical service product lead specialist in manufacturing. Moreover, her work experience also includes working at a national laboratory where she supported the treatment of radioactive waste water as a contributing team member.

Dr. Kim's research interest include Porphyrin synthesis and intercalation into B form DNA for medicinal applications, Identifying and generating substrates for encapsulation chemistry, Waste water treatment using chromatography, Commercial biomedical and industrial coatings applications.

At Prince Mohammad bin Fahd Univeristy (PMU) she teaches Introductory Chemistry and Chemistry for Engineers.

Kim Andrews BSc, M.Sc,
PhD

College of Sciences and
Human Studies,
Prince Mohammad bin
Fahd University (PMU),
Email:
kandrews@pmu.edu.sa
Tel: +966-13-849-8859