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### **About the Author**

Dr. M. R. Riazi is currently a professor of chemical engineering at Kuwait University. He was previously an assistant professor at Pennsylvania State University (U.S.A.), where he also received his M.S. and Ph.D. degrees. He was also a visiting professor at the following universities: Trondheim (Norway); Illinois (Chicago, USA) Wright State (Dayton, USA), Texas (Austin, USA) and McGill (Montreal, Canada). Dr. Riazi has been consultant to several oil companies and research institutes in North America, Western Europe, North Africa, Middle East and South East Asia.

Dr. Riazi has published about 70 technical articles mainly in the fields of petroleum and chemical technology and has developed methods for three chapters of the API Data Book and authored two book chapters. In addition he has presented papers to more than 40 international conferences and Canadian Oil and Gas Review wrote about him. He is on the Editorial Board of Journal of ASTM International and has been a guest editor for the Middle East special issue of Journal of Petroleum Science and Engineering.

Dr. Riazi's methods for characterization of crude oils and petroleum products have been used by oil companies and research centers worldwide and has presented about 80 invited lectures and short courses to the petroleum industry and research institutes in Canada, England, France, Switzerland, Denmark, Holland, Norway, Poland, Malaysia, India, China, Australia, Kuwait, Middle East and North Africa.

In 1995, he was awarded a Diploma of Honor from the American (National) Petroleum Engineering Society for his outstanding service to the petroleum industry. He is a member of AIChE and Research Society of North America.

Dr. Riazi's experience on properties of petroleum fractions began in the mid 70's when he began his doctoral thesis at Pennsylvania State University. In the mid 80's he rejoined Penn State as an assistant professor and worked on projects sponsored by the API. In the late 80's, he worked at the Petroleum Center of University of Trondheim in Norway where he worked on projects related to diffusion of gas into reservoir fluids, modeling of reservoirs and characterization of heavy oils sponsored by the upstream research of several European oil companies. These experiences have been reflected in this book.