

## Curriculum Vitae of OMER REFA KOSEOGLU, Ph.D., P.E.

<b>Current Position:</b>	Dr. Koseoglu is a Principal Professional and leading the Refining Development Team at Saudi Aramco R&D Center. He is an active researcher in refining catalyst and process development targeting short and long term needs for the Saudi Aramco refineries. Hydrocracking catalyst development for heavy oils, molecular modeling, FCC gasoline sulfur reduction additives, oxidative desulfurization and advanced hydrocarbon characterization are the current major activities he is working on.,
<b>Education:</b>	Omer Refa Koseoglu is a B.Sc. ( <a href="#">Gazi</a> ), Ph.D. ( <a href="#">Toronto</a> ) Chemical Engineer with a M.Sc. ( <a href="#">Brock</a> ) degree in physical organic chemistry.,
<b>Competencies:</b>	He has 35+ years of experience in the refining Industry. His expertise is in the areas of refining technologies, particularly hydrotreating and hydrocracking, both fixed-bed and ebullated-bed operation, project management, technology transfer, catalysis, process research and development, proposals and case study estimates, commercial data analysis and scale-up studies, pilot plant program development and testing, modeling, database development and management, and software development.,
<b>Achievements:</b>	Two commercial products, <a href="#">COPI-Crude Oil Property Index</a> and <a href="#">heavy oil hydrocracking catalyst (CAN-15)</a> were developed by Dr. Koseoglu and his team. The heavy oil catalyst has been successfully deployed in a commercial hydrocracking unit processing partial demetallized oil and performing exceptionally well. Dr. Koseoglu is the founder of the international symposium on hydrotreating / hydrocracking technologies and hydrocarbon resources organized yearly at the American Chemical Society Annual Meeting.,
<b>Awards:</b>	Receipt of 2015 <a href="#">Saudi Aramco Presidential Excellence award. Receipt of 2015 JPI Best Project Award</a> ,
<b>Professional Experience:</b>	Prior to Saudi Aramco, he was with CONOCO, Inc. at the Technology Development Center in Ponca City, Oklahoma. As part of the newly formed Natural Gas Refining group, he worked as a technology specialist on the upgrading/utilization of the Fisher-Tropsch products. He also worked as a computer consultant for NUI Corporation in NJ, where he developed a WEB based network-client application software. He joined Hydrocarbon Research, Inc (HRI) in 1991 as a senior research engineer, worked on the development and/or commercialization of the H-Oil ebullated-bed residue hydroprocessing, catalyst rejuvenation and tire recycling technologies. After the acquisition of HRI by Institut Francais du Petrole (IFP), he was assigned to IFPs Paris headquarters for the transfer of hydrotreating / hydrocracking technologies to North America. During 1995-1999, Refa was the hydrotreating / hydrocracking technology specialist for IFP North America in Princeton NJ. Prior to joining HRI, Inc, he worked for Shell Canada limited at the Oakville Research Center on hydrocracking process research and development.,
<b>Patents/Publications:</b>	Dr. Koseoglu has been granted 332 patents including: US: 108; GCC: 50; Japan: 44; China: 36; Europe: 19; German: 19; Singapore: 13; Korea: 11; Spain: 10; Ireland: 8; Eurasia: 3; Canada: 3; Norway: 2; Poland: 2; Brazil: 2; Denmark: 2; and has numerous publications.,
<b>Software Products:</b>	Dr. Koseoglu is a software developer, particularly in the field of chemistry and chemical engineering. Below are the samples of some of his products, <a href="#">POTATO-Periodic Table Tool</a> , <a href="#">PAD</a> - Poly Aromatic Database, <a href="#">Zeolite Database</a> , <a href="#">PITA - Property Information Tables</a> , <a href="#">CORREL - Property Correlations</a> , <a href="#">RAT - Reaction Analysis Tool</a> , <a href="#">UCON - Unit Conversion</a> , <a href="#">BLENDER- Property Blender</a> , <a href="#">DISCO - Distillation Conversion</a> , <a href="#">COPA - Crude Oil Property Adjuster</a> , and many others.....,
<b>License:</b>	He is a licensed professional engineer.,