



Lecturer : Dr. Kafa Fadhil Abbas

Department of Oil and Gas Refinery Engineering

Email : kafa.alani@alfarabiuc.edu.iq

Education :

PhD, Budapest Technical University

Year : 1984

BSc, Baghdad University

Year : 1974

Profile:

Expert 1997 / Petroleum Research Centre/Al Basel Applied Res. Center.

Chief of Researchers 1998 / Petroleum Research Centre.

Lecturer at Al Fateh University / Libya -Tripoli (1998-2011).

Senior (2011-2013) / Ministry of Science and Technology.

Lecturer 2013 / Al Farabi University College.

Teaching

1- Petroleum Properties

Teaching theory of formation of crude oil , classification , physical and chemical properties, Detail information about the light and Heavy distillates (processes of fractionation) , physical and chemical properties).

2- Petroleum Chemistry

The origin of hydrocarbons, Alkanes, Alkenes, Alkynes, Aromatics, Halides, Esters, Carboxylic acid, aldehyde and ketons (properties , chemical reactions, synthesis).

3-Analytical chemistry

Introduction to analytical chemistry, solution concentrations, chemical equilibrium , solubility , precipitation , electrochemistry

Research Focus

- 1- Petroleum chemistry , evaluation of crude oil, lubricating oil, motor oils
- 2- Organic chemistry, synthesis of organic compounds, process of treatment.
- 3- Analytical chemistry

Publications

IOP Conference Series: Materials Science and Engineering

- 1- High viscosity paraffinic oil for vacuum pump, International Conference Multi-Disciplinary, Paper ID: IMDC-SDSP-111-001(2020), Kafaa F. Abbas, Inas , Al Nuaemi
- 2- Paper • The following article is Open access
Heavy metals concentration in the recent sediments along the sides of the road between Bangazi and Sirt Cities – Libya
M A Basi¹, K F Abbas¹ and M I Al-Sharqawi²
Published under licence by IOP Publishing Ltd
[IOP Conference Series: Materials Science and Engineering, Volume 579, 1st International Conference on Petroleum Technology and Petrochemicals 10–11 April 2019, University of Technology Campus, Baghdad, Republic of Iraq](#) **Citation** M A Basi *et al* 2019 *IOP Conf. Ser.: Mater. Sci. Eng.* **579** 012016.
- 3- [Recycling of Waste Generator Oils by Different Treatment Methods](#)
[MM Khudhair, KF Abas, TM Hameed - Journal of Petroleum ..., 2012 - stmjournals.com](#)
- 4- [Rehabilitating of used Generator Oil by Acid/Bentonite Treatment and Studying of its Performance Evaluation](#)
[MM Khudhair, KF Abas, TM Hameed, A Assad... - Journal of Petroleum ..., 2014 - jprs.gov.iq](#)
- 5- [Treatment of Waste Generator Oils by Using Various Methods](#)
[MM Khudhair, KF Abas, TM Hameed - Iraqi Journal of Science and ..., 2015 - iasj.net](#)
- 6- Thermal hazards, lifetime prediction
[KF Abas, MM Khuthair - BOOK OF ABSTRACTS, 1995](#)
[Effect of hydrogen bonding on the thermal behaviour of substituted phenols](#)
- 7- SR Salman, KF Abas - *Thermochimica acta*, 1989 - Elsevier

- 8- [Thermal behaviour of some adamantane derivatives](#)
SR Salman, EZ Said, KF Abas - Thermochemica acta, 1987 - Elsevier
[Save Cite Cited by 8 Related articles All 5 versions](#)
- 9- [Thermal behaviour of 2-hydroxyadamantane](#)
SR Salman, KF Abas - Thermochemica acta, 1988 - Elsevier
- 10- [Thermal behaviour of 2-hydroxyadamantane](#)
SR Salman, KF Abas - Thermochemica acta, 1989 - Elsevier

- 11- [Effect of Stereoregularity on the Thermal Behavior of Polystyrene Prepared by the Anionic Process in Different Solvents](#)
SR Salman, MMF Al-jarrah, KF Abas - ... -Plastics Technology and ..., 1990 - Taylor & Francis
- 12- [Thermogravimetric method for quantitative qualification of motor oils](#)
Z Adonyi, KF Abas, G Körösi - Thermochemica acta, 1985 - Elsevier

- 13- [The reliability of kinetic data by thermal analysis from the aspect of technological application](#)
Z Adonyi, G Körösi, KF Abas - Thermochemica acta, 1985 - Elsevier
Thermochemica Acta, 92 (1985) 117-120 Elsevier Science Publishers BV, Amsterdam

- 14- [Thermal and colloidal stability behaviour of overbased petroleum sulphonate additives](#)
IH Al-Wahaib, KF Abas, BS Abdulaziz, WK Ibrahim - Thermochemica acta, 1988 - Elsevier

- 15- Iraqi Patent , Oil for Hot Forging Process,
Kafaa F.Abbas , I. Sadek
No. 92/1992