

Dr.Kafaa Fadhil Abbas
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Ph.D. Petroleum Chemistry
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Personal information

Name	Kefaa Fadhil Abas	
Nationality	Iraqi	
Languages	Arabic English Hungarian	
Occupation	Lecturer	
General specialization	organic chemistry	
Specific specialization	Petroleum chemistry	
E - mail address	kfaaa.alani@alfarabiuc.edu.iq	

Educational Qualifications

Degree	University / College	Year
Ph.D. and MSc	Organic chemistry/ Petroleum chemistry/ Chemical Engineering Department Budapest Technical University Budapest - Hungary	1984 1982
BSc	Chemistry Baghdad University / College of Science Baghdad - Iraq	1974
Expert	Petroleum chemistry 1995	1995

	Petroleum Research Center	
Head Researcher	Petroleum chemistry 1997 Petroleum Research Center	1997
Thesis Title: Thermal Analysis of Motor Oil and Additives		

Current post

Lecturer (Petroleum chemistry, Petroleum properties, Theoretical & Practical Petroleum Properties, Analytical Chemistry, Organic chemistry, Petroleum Engineering Department, and Oil & Gas Refinery. Engineering. Dep. Al-Farabi College University, Baghdad – Iraq, (2013-2024).

Previous Post

- Head Researcher & Expert in petroleum chemistry
Petroleum Research Center
Baghdad-Iraq (1984-1998)
- Researcher (Petroleum Chemistry)
Petroleum Research Centre,
Ministry of Science and Technology, Materials Research Center
Baghdad-Iraq, (2011-2013)
- Lecturer (organic chemistry, biochemistry) at the Chemistry Department, Education College, Kaser Bin Ghsheer, El Fateh University, Tripoli-Libya. (2010-2011).
- Lecturer (organic chemistry, biochemistry) at the Chemistry Department, college of science,
Bader College of Science, Teji
Libya.(2009-2010).
- Lecturer, (organic chemistry)
Institute of the Proper Use of Chemical Biological Pesticides),
Research and Training Centre,
Tripoli - Libya, (2006-2009).

- Lecturer (General chemistry)
High institute for technical training Responsible for preparing people for the Industrial projects.
Tripoli – Libya, (1998-2006).

Work Experiences

- 1- Expert degree in Petroleum Chemistry at the Petroleum Research Centre
- 2- Head of the Refinery Research Department.
Petroleum Research Centre, (1989-1995).
- 3- Participate in many conferences, seminars, and scientific sessions
 - Oil And Additives Blending To Improve Quality - Al-Dura Refinery, Baghdad – Iraq
 - IBM Scientific Research Council, Baghdad – Iraq.
 - Industrial Property System, Central Organization For Standardization and Quality Control, Baghdad – Iraq.
 - Alternatives For Petroleum Oils, Association of Chemists, Baghdad – Iraq
 - Laser Principles and Applications, Al-Technology University, Baghdad – Iraq.
 - Centre for the Evaluation of the Oils and Additives, Budapest –Hungary (1998).
 - Egypt Petroleum Institute, Cairo – Egypt, (1998).

Skill and proficiency

- Educating Analytical and Organic chemistry and general chemistry.
- Teaching Petroleum Chemistry, quality control, petroleum evaluation, additives, preparation and synthesis of lubricating oils, fuel quality improvement, and biofuel.
- Training for improvement of the quality of motor oils using additives, and lubricating oils treatments.
- Teaching Industrial Chemistry.
- Review and evaluation of petroleum derivatives.

- Research in pesticide chemistry, handling, and training for the proper use of such chemicals
- Research team leader. Evaluation of more than 50 international patents
- Seminar preparation in the petroleum industry.

Activities

- Have more than 25 published articles; 15 as applied research that solved industrial problems as applied projects.
- An Iraqi patent
- Training course for safety in industry.
- A member of the Iraqi Chemical Council (1974-1998)
- A member of the ASLE Society (American Standard of Lubrication Engineering (1982 -1986).

List of Publications

- 1- High-viscosity paraffinic oil preparation for vacuum pump

Kafaa F. Abas ; Inas J. Al-Nuaemi; Musaab K. Rashed

2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY: (ICEAT 2022)

28–29 March 2022, **Volume 2787, Issue 1**, 14 July 2023
Istanbul, Turkey

- 2- Method for dibutyl phthalate synthesis

Kafaa F. Abas, Inas J. Al-Nuaemi, Muna Y. Abdul Ahad

AIP Conf. Proc. 3009, 030012 (2024)

<https://doi.org/10.1063/5.0190528>

- 3- Thermal and Biological Degradation of Herbicides to Treat Wastewater and Soil Pollution

Al-Nuaemi, Inas J.a; * | **Abbas, Kafaa F.** | Jebir Al-Alawy, Ramy M.b | Al-Anic
Asian Journal of Water, Environment and Pollution, vol. 19, no. 4, pp. 17-23,
2022.

- 4-A study on The Level of Environmental Pollution by Heavy Metals in The City of Sebha-Libya

M,A.Basi , **Kafaa F. Abbas** & etal
Technium ,22 Aug.2022.

- 4- Heavy metals concentration in the recent sediments along the sides of the road between Benghazi and Sirt cities-Libya. IOP conf. Ser. Material Sci. Eng. I, 2019, P :1 -13. Basi,M. A. , **Abbas ,K.,F**, and Al- Shargawi,
- 5- Treatment of Waste Generator Oils by Using Various Methods
MM Khudhair, **KF Abas**, TM Hameed
Iraqi Journal of Science and Technology , vol.6 (2015) Jo
- 6- Rehabilitating of used Generator Oil by Acid /Bentonite Treatment and Studying of its Performance Evaluation
MMK , **KFAbas** . TM Hameed
Journal of Petroleum Research & Studies 377 ,10t, pp. 271-293 (2014)
- 7- Effect of hydrogen bonding on the thermal behaviour of substituted phenols
SR Salman, **KF Abas**
Thermochimica acta 149, 381-386
- 8- Thermal behaviour of some adamantane derivatives
SR Salman, EZ Said, **KF Abas**
Thermochimica acta 111, 21-26
- 9- Thermal behaviour of 2-hydroxyadamantane
SR Salman, **KF Abas**
Thermochimica acta 136, 81-85
- 10- Thermal behaviour of 2-hydroxyadamantane
SR Salman, **KF Abas**
Thermochimica acta 142 (2), 245-249
- 11- Recycling of Waste Generator Oils by Different Treatment
METHODS
TMH Dr. Muna Mahmood Khudhair, **Dr. Kafaa Fadhil Abas**
Journal of Petroleum Engineering & Technology 2 (3)

- 12- Characterization of fresh and used diesel engine oils by Differential Scanning Calorimetry
KF Abas, I Sadek
Thermochimica acta 126, 181-185.
- 13- Effect of Stereoregularity on the Thermal Behavior of Polystyrene Prepared by the Anion Process in Different Solvents.
SR Salman, MMF Al-jarrah, **KF Abas**
Polymer-Plastics Technology and Engineering 29 (4), 371-375
- 14- Thermogravimetric method for quantitative qualification of motor oils
Z Adonyi, **KF Abas**, G Körösi
Thermochimica acta 93, 725-727
- 15- Spectroscopic study of the stability of motor oil during performance internal Combustion Engine.
SR Salman, **KF Abas**
Lubrication engineering 48 (1), 10-12
- 16- Thermal behaviour of poly- α -methylstyrene prepared in various solvents
SR Salman, MMF Al-Jarrah, **KF Abas**
Polymer degradation and stability 28 (2), 209-213
- 17- The reliability of kinetic data by thermal analysis from the aspect of technological Application .
Z Adonyi, G Körösi, **KF Abas**
Thermochimica acta 92, 117-120
- 18- Spectroscopic Assessment of Motor Oil Stability
SR Salman, **KF Abas**
Institute of Advanced Studies, University of Malaya
- 19- Oil For Hot Forging Process(Iraqi Patent (1992))
Kafaa F. Abas , I,Sadek
- 20 -Abdel-Hamid, SM, see Aboul-Gheit, AK 126 (1988) 397 Abdel-Latif, SA.,
NT 143 (1989) 37

MS Abdel-Moez, S Abo El-Wafa, HS Sleem, **KF Abas**, I Sadek, L Abate, ...
Ager, 265

21- Thermal and colloidal stability behaviour of overbased petroleum sulphonate additives
IH Al-Wahaib, **KF Abas**, BS Abdulaziz, WK Ibrahim
Thermochimica acta 132, 253-256.

22- ADAMOVICHUS, AA, MOTULEVICH, VP, SERGIEVSKII, ED, SHITOV, N. F, YA-
NOVSKII, LS (Moscow Energy Inst. Moscow, USSR): Heat transfer in
turbulent pipe flow with directional ...
Z ADONYI, **KF ABAS**, G KOROSI
Journal of thermal analysis 32, 329-384

23- Color and ThermoReaction Stability Improvement of Kerosene Cut From
A.H.A.K.Mohamed ,**Kafaa F. Abas**
JPR 2 (1), 23-37

24- Establishment the Catalyst Efficiency in Lubrication Oil Hydrogenation
.H.A.K.Mohamed, **Kafaa F.Abass** , &..et.al.
The Sci. Conf.of Petro Res. and Industry,, 14-17.

25- Color Improvement of Kerosene from Hemreen Crude Oil Using Activated Bentonite
A.H.A.K.Mohamed. **Kafaa F.Abass** ,
Almohandes ,75, 16-20

