

CURRICULUM VITAE

Name and Title: Prof. Dr. Rabah A. Khalil
Gender : Male
Date of Birth : 29-8-1964
Marital Status : Married
Nationality : Iraqi
Position : Full Professor of Physical Chemistry.
Address : Department of Chemistry,
College of Science,
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WEBSITES

<https://www.scopus.com/authid/detail.uri?authorId=14035773100>

<https://orcid.org/0000-0002-5252-3335>

<https://scholar.google.com/citations?hl=en&user=r8bZseUAAAAJ>

https://www.researchgate.net/profile/Rabah_Khalil

<https://www.linkedin.com/in/rabah-ali-khalil-27967a44/>

<https://www.mendeley.com/profiles/rabah-a-khalil/?viewAsOther=true>

<https://publons.com/researcher/569497/rabah-ali-khalil/>

https://en.wikipedia.org/wiki/User:Rabah_Ali_Khalil

<https://researchcooperative.org/prof-dr-rabah-a-khalil>

<https://portal.arid.my/en/ApplicationUsers/GetProfile/0003-3605>

<http://chemistrydeptsciencemosuluniversity.online/>

EDUCATION

Ph.D., 1994 (Physical Chemistry), Department of Chemistry, College of Science, University of Mosul. **Prof. Dr. Yousif A. Shahab**, research advisor. Thesis title: A Study of the Factors Affecting Nitrogen-15 Nuclear Magnetic Resonance Chemical Shifts.

M.Phil., 1990 (Inorganic Chemistry), Department of Chemistry, Faculty of Science, University of Sheffield. **Prof. Dr. David E. Fenton**, research advisor. Thesis title: A Mass Spectrometric Study of Some Coordination Compounds.

B.Sc., 1987 (General Chemistry), Department of Chemistry, College of Science, University of Mosul. The first among total of (128) students with grades “very good”.

EMPLOYMENT

October 1994-1998: Lecturer of Physical Chemistry, University of Mosul, (Teachers’ College and College of Science), Chemistry Department.

July 1998 – 2008: Assistant Professor of Physical Chemistry, University of Mosul, College of Science, Department of Chemistry.

June 2008 – present: Professor of Physical Chemistry, University of Mosul, College of Science, Department of Chemistry.

MEMBERSHIP

Member of the Iraqi Chemical Society
Member of the Iraqi Teachers Society
Member of the Ibn Al-Haitham Center of Science and Technology (Jordan)
Member of surface science of biologically important interface (ssbii), UK

SCIENTIFIC SCORE

H-index

Scopus: H-index = 6

<https://www.scopus.com/authid/detail.uri?authorId=14035773100>

Researchgate: H-index = 8

https://www.researchgate.net/profile/Rabah_Khalil/reputation

Google Scholar Citations: H-index = 8

<https://scholar.google.com/citations?hl=en&user=r8bZseUAAAAJ>

Mendeley: H-index = 6

<https://www.mendeley.com/profiles/rabah-a-khalil/?viewAsOther=true>

Publons: H-index = 5

<https://publons.com/researcher/569497/rabah-ali-khalil>

i10-index= 4

<https://scholar.google.com/citations?hl=en&user=r8bZseUAAAAJ>

PUBLICATIONS

i- Refereed Book:

- 1- R. A. Khalil, “**A Simple Approach to Quantum Chemistry**”, 2020, Nova Science Publishers, Inc., New York.

<https://novapublishers.com/shop/a-simple-approach-to-quantum-chemistry/>

ii- Patents:

- 1- R. A. Khalil , A New Method for Preparing Lead(II) Acetate From Local Sources, Iraqi Patent No. 2674 On 15th, September 1997.
- 2- R. A. Khalil, and A. H. Jalil, Direct and Continuous Electrochemical Method for producing Lead(II) Acetate (Development of patent No. 2674), Iraqi Patent No. 3004 On 25th, November (2001).

iii- Refereed Papers:

- 1- P. K. Bhattacharya, M. Rafique Ullah, R. A. Khalil, S. J. Kitchen, and D. E. Fenton, The Solution Stability of Binary and Ternary Complexes Involving Oxaazamacrocyclic Ligands, *Polyhedron*, 9, 2239-2243 (1990).

- 2- H. Adams, N. A. Bailey, D. E. Fenton, and R. A. Khalil, Cis- and Trans-Derived Chain Staking in Bis(Hexafluoroacetylacetonato) Metal(II) Tetramethyl Pyrazine Complexes, *Inorganica Chimica Acta.*, 209, 55-60 (1993).
- 3- R. A. Khalil, S. M. Al-Talib, and H. Sh. Mahmood, Indirect Spectrophotometric Microdetermination with Kinetic Study of Some Sulphonamides in Aqueous Solution, *J. Edu. Sci.*, 27, 36-45 (1997).
- 4- R. A. Khalil, A Study of the Effect of Lead Sulphate on the Efficiency of Lead-Acid Storage Battery, *J. Electrochem. Soc. India*, 46, 179-183 (1997).
- 5- R. A. Khalil and R. Al-Hamdany, A Study of the Possibility of Using 3-(3'-5'-Dinitro-4'-Hydroxy Phenyl)Phthalide as an Indicator, *Dirasat*, 25B (No.1), 100-105 (1998).
- 6- S. M. Al-Talib and R. A. Khalil, Indirect Spectrophotometric Determination of Etenol in Aqueous Solution, *Tech. Res. J.*, 288-290 (1998).
- 7- R. A. Khalil, A Study of the Effect of Inverse Charging on the Service Life of Lead Acid Battery, *Bull. Electrochem.*, 16 (10), 472-475 (2000).
- 8- R. A. Khalil, UV-Visible Spectroscopic Characterization and Acid-Base Equilibrium Studies of 3-(2'-5'-Dihydroxy-4'-Nitro Phenyl) Phthalide for Use as an Indicator, *Raf. J. Sci.*, 11 (4), 40-49 (2000).
- 9- R. A. Khalil, A New Procedure For Preparing Calcium -D- Saccharate From Commercial Sugar, *National J. Chem.*, 9, 14-20 (2003). (Arabic Language)
- 10- R. A. Khalil and M. A. Al-Yosbaky, A Kinetic Method for Prediction the Service Life of the Rubber Structure of Marine Hovercraft, *Raf. J. Sci.*, 16 (3), 20-28 (2005). (Arabic Language)
- 11- B. A. Akrawi, R. A. Khalil, and Z. A. Al-Delemi, Conductimetric Investigations of Some Sulphonamides in Aqueous Solution, *Ibn Al-Haitham J. Sci. Tech. (IJST)*, 1(1), 20-29 (2005).
- 12- R. A. Khalil, M. O. Ahmad, R. Z. Al-Khayat, I. Kh. Jarjis and S. L. Bashar, Use of Chemical Labeling in Avoiding the Illegality in Food Industries: Part I Soft Drinks, *National J. Chem.*, 20, 464-470 (2005). (Arabic Language)

- 13- R. A. Khalil and B. Z. Al-Khiro, Surfactant Effect on Kinetic of Reaction of Some Sulphonamides with p-Dimethylaminobenzaldehyde: Surfactant-Modified Determination of Sulphonamides in Aqueous Solution, *J. Chin. Chem. Soc.*, 53(3), 637-642 (2006).
- 14- Y. A. Shahab and R. A. Khalil, A New Approach to NMR Chemical Shift Additivity Parameters Using Simultaneous Linear Equation Method, *Spectrochimica Acta Part A - Molecular Spectroscopy*, 65 (2), 265-270 (2006).
- 15- R. A. Khalil, A New Approach to Micellization Parameters Using Iterative Mathematical Method, *Colloids and Surfaces A: Physicochemical and Eng. Aspects*, 286, 51-56 (2006).
- 16- M. M. I. Al-Zubaidy and R. A. Khalil, Kinetic and Prediction Studies of Ascorbic Acid Degradation of Normal and Concentrate Local Lemon Juice during Storage, *Food Chem.*, 101, 254-259 (2007).
- 17- R. A. Khalil and A. M. A. Saeed, The role of micellar catalysis from kinetic and thermodynamic investigations of the reaction between bromhexine drug with para-dimethylaminobenzaldehyde, *Colloids and Surfaces A: Physicochemical and Eng. Aspects*, 298, 206-215 (2007).
- 18- R. A. Khalil and A. M. A. Saeed, Colorimetric Microdetermination of Bromhexine Drug in Aqueous Solution, *J. Chin. Chem. Soc.*, 54(4), 1099-1105 (2007).
- 19- R. A. Khalil and R. Z. Al-Khayat, Micellar Catalysis in Reactions of Some β -Lactam Antibiotics with p-Dimethylaminobenzaldehyde, *Phys. Chem. Liquids* (Taylor & Francis), 46(1), 34-46 (2008).
- 20- R. A. Khalil, Statistical and mathematical investigations for determining the binding constants of micelle with reactants molecules from kinetic data, *Journal of Dispersion Science and Technology*, 30(10), 1545-1550 (2009).
- 21- R. A. Khalil, A. H. Jalil and A. Y. Abd-Alrazzak, Application of a Schiff Base Derived from Sulphanilamide as an Acid-Base Indicator, *J. Iran. Chem. Soc.*, 6 (2), 345-352 (2009).
- 22- R. A. Khalil and M. Q. Hassan, Exploration for micelles driving force from determination of critical micelle concentration of ionic surfactants in presence of hydrocortisone acetate, *Journal of Dispersion Science and Technology*, 31(9), 1195-1201 (2010).

- 23- R. A. Khalil and S. A. Hussain, Surfactant Enhanced Reaction Between Benzocaine and p-Dimethylaminobenzaldehyde: Kinetic Study and Its Analytical Application, *The Arabian Journal for Science and Engineering A-Science*, 35(2A), 55-66 (2010).
- 24- R. A. Khalil and B. Z. Al-Khiro, Correlation Analysis for the Kinetics Data of the Reaction between Some Sulphonamides with p-Dimethylaminobenzaldehyde, *Al-Taqani*, 23(5), 20-29 (2010).
- 25- R. A. Khalil and A. M. Hashim, The Role of Organic Additives in Changing the Sign of Standard Enthalpy of Micellization, *Physical Chemistry: An Indian Journal*, 6(3), 105-112 (2011).
- 26- R. A. Khalil and A. H. Jalil, Use of Acetic Acid as an Electrolyte in Lead Electrorefining, *Mu'tah J Res. Studies.*, 26 (2), 27-42 (2011).
- 27- R. A. Khalil, A. M. Jameel and A. M. A. Saeed, Application of Lee-Wheaton Equation for some Ionic Surfactants in Aqueous Solution, *Physical Chemistry: An Indian Journal*, 6(3), 113-118 (2011).
- 28- R. A. Khalil and F. J. Hammad, Critical Intermolecular Forces: a new physical insight for the formation of wormlike micelles. *J. Chem. Soc. Pakistan*, 36(2), 211-220 (2014).
- 29- R. A. Khalil, A. A. Zarrari, Theoretical estimation of the critical packing parameter of amphiphilic self-assembled aggregates, *Applied Surface Science*, 318, 85-89 (2014).
- 30- R. A. Khalil, L. H. Alsamarrai, The role of surfactants head group in the formation of self-assembled supramolecular aggregate, *Arab J. Phys. Chem.*, 2(1), 7-13 (2015).
- 31- R. A. Khalil, F. A. Saadoon, Effect of presence of benzene ring in surfactant hydrophobic chain on the transformation towards one dimensional aggregate, *J. Saudi Chem. Soc.*, 19, 423-428 (2015).
- 32- R. A. Khalil, A. Y. Hamed, Theoretical investigation using DFT for predicting the factors affecting the melting point of series of alkylammoniumformates ionic liquids, *Arab J. Phys. Chem.*, 2(2), 56-66 (2015).
- 33- R. A. Khalil, L. H. Alsamarrai, Study of the effect of ethanol on the formation of wormlike micelles for a mixture of ionic surfactants, *Asian J. Sci. Tech.*, 6(12), 2117-2121 (2015).

- 34- R. A. Khalil, A. A. Zarrari, Theoretical Investigations for the Behavior of Hydrotropes in Aqueous Solution, *J. Turkish Chem. Soc A.*, 2(4), 42-52 (2015).
- 35- S-H Zhang, R. A. Khalil, X-F Song, K-G Zhang, Effects of Aluminum Addition on the Corrosion of 316 Stainless Steel in the Simulated Primary Circuit Water of PWR, *2017 International Conference on Energy Development and Environmental Protection (EDEP 2017)*, 141-146 (2017)
- 36- A. A. Zarrari, R. A. Khalil, Hypothetical Effect of Some Substitutions on the Estimation of CAC for some Hydrotropes, *Proceeding of 3rd Chemistry Conference, Mosul-Iraq, October 24th–25th*, 1-9 (2018)
- 37- Sh. H. Abdulrahman, R. A. Khalil, Theoretical Investigation Using QSAR for Some N-substituted benzene sulphonamides for Antimicrobial Activity, *Proceeding of 3rd Chemistry Conference, Mosul-Iraq, October 24th–25th*, 224-233 (2018)
- 38- R. A. Khalil, The Role of Distillation of Solid O-Bromoaniline with its Coloring Phenomenon, *Progress in Chemical and Biochemical Research*, 3(3), 269-271 (2020)

iv- Presentations:

- 1- R. A. Khalil, and Y. A. Shahab, A New Approach to Nitrogen-15 NMR Chemical Shifts Additivity Parameters Using Simultaneous Linear Equations Method (Abstract), 10th Arab Chemists Conference, 22-24 October, Baghdad-Iraq, 71, (1996).
- 2- R. A. Khalil, A Developed Method For Preparing Calcium-D-Saccharate From Commercial Sugar (Abstract), 1st Scientific Conference of SDI, 29-30 October, Baghdad-Iraq, (2002).
- 3- R. A. Khalil, and Y. A. Shahab, A New Approach to NMR Chemical Shift Additivity Parameters Using Simultaneous Linear Equation Method (Abstract), MATH/CHEM/COMP 2005. The 20th International Course & Conference on the Interfaces among Mathematics, Chemistry & Computer Sciences, June 20-25, 2005, Dubrovnik, Croatia.

- 4- R. A. Khalil, Statistical and mathematical investigations for determining the binding constants of micelle with reactants molecules from kinetic data, American Chemical Society's 81st Colloid and Surface Science Symposium, June 24-27, 2007 Clayton Hall, University of Delaware, USA.
- 5- R. A. Khalil, A new approach for avoiding the unlawfulness in food industry using chemical labeling method: part I soft drinks, EFFoST / EHEDG Joint Conference 14-16 November 2007, Sana Lisboa Hotel, Lisbon, Portugal.
- 6- R. A. Khalil and M. K. Hassan, Effect of Hydrocortisone Acetate Additive on Critical Micelle Concentration of Ionic Surfactants, 1st Conference of Chemistry Department, 22-23 April 2008, University of Mosul, Mosul, Iraq.
- 7- R. A. Khalil and Fadya A. Saadoon, Effect of presence of benzene ring in surfactant hydrophobic chain on the self-assembly towards the biggest type of supra-molecular aggregates. Nano TR-9 (9th "Nanoscience and Nanotechnology" Conference); 24-28/06/2013, Ataturk University, Erzurum / Turkey.
- 8- R. A. Khalil, Julian Eastoe and Fadya A. Saadoon, Exploration of the Formation of Supra-Molecular Aggregations for Mixed Systems of Surfactants, with Hydrotrope and some Inorganic Salts. Nano TR-9 (9th "Nanoscience and Nanotechnology" Conference); 24-28/06/2013, Ataturk University, Erzurum / Turkey.
- 9- R. A. Khalil, Al-hakam A. Al-zarari, Quantum mechanical calculations for estimating the critical packing parameter of supra-molecular aggregations, Nano TR-9 (9th "Nanoscience and Nanotechnology" Conference); 24-28 June 2013, Ataturk University, Erzurum / Turkey.
- 10- R. A. Khalil, Liqaa H. Alsamarrai, The Role of Surfactants Head Groups in the Formation of Self-Assembled Supramolecular Gel, Nano TR-10 (10th "Nanoscience and Nanotechnology" Conference); 17-21 June 2014, Yeditepe University, Istanbul/ Turkey.
- 11- R. A. Khalil, Sh. H. Abdulrahman, Theoretical investigations for some N-substitute benzene sulphonamides for acting as antimicrobial and anticancer therapy, Annual Congress on Medicinal Chemistry, Pharmacology and toxicology, 30-31 July 2018, Amsterdam, Netherlands.

- 12- A. A. Zarrari, R. A. Khalil, Hypothetical Effect of Some Substitutions on the Estimation of CAC for some Hydrotropes, 3rd Chemistry Conference, University of Mosul, October 24th–25th 2018, Mosul-Iraq.
- 13- Sh. H. Abdulrahman, R. A. Khalil, Theoretical Investigation Using QSAR for Some N-substituted benzene sulphonamides for Antimicrobial Activity, 3rd Chemistry Conference, University of Mosul, October 24th–25th 2018, Mosul-Iraq.
- 14- R. A. Khalil, Sh. H. Abdulrahman, A Developed QSPR Model for the Melting Points of Isatin Derivatives, 32nd National Chemistry Congress 17th-19th September 2020, Turkish Chemical Society, Istanbul, Turkey.

Academic Experience

Undergraduate:

- 1- Course in Quantum Chemistry (4th year).
- 2- Two courses in Physical Pharmacy I & II (2nd year) College of Pharmacy.
- 3- Courses in Kinetics and Photochemistry (3rd year).
- 4- Course in Computer programming; Visual Basic (2nd year).
- 5- Some courses for Teacher's College.

Postgraduate:

- 1- Course in Physical Chemistry (Thermodynamic + Kinetics + Spectroscopy).
- 2- Course in Advance Kinetics.
- 3- Course in Collides and Surface Chemistry.
- 4- Course in Advance Quantum Mechanics.
- 5- Course in Physical and Chemical properties of Micelles.
- 6- Course in the effect of Surfactants and Micelles on the Kinetics of Chemical Reaction.
- 7- Course in Molecular Interactions.
- 8- Course in Density Functional Theory (DFT).
- 9- Course in Supramolecular Chemistry.
- 10- Course in Computational Chemistry.
- 11- Course in QSAR & QSPR.

Postgraduate Students Supervision (M.Sc. and Ph.D.)

Present:

- 1- Al Hakam A. Al-Zarrary, Ph.D. 2nd year
- 2- Fahad J. Hammad, Ph.D. 2nd year
- 3- Mohammed Sauood, M.Sc. 2nd year
- 4- Ahmad Addel, M.Sc. 2nd year

Past:

<u>No</u>	<u>Name, Year</u>	<u>Title of Thesis</u>
<u>1</u>	Shayma'a H. Abdulrahman, Ph.D. (2020)	Statistical treatment for study the relationship between the chemical structure and activity of some isatin derivatives using quantum mechanics methods
<u>2</u>	Ali Yonis Hamed, Ph.D. (2017)	Accelerating the Interplay Between Theory and Experiment in Protic Ionic Liquids Design using Theoretical Calculations Based on Density Functional Theory
<u>3</u>	Liqaa H. Alsamerrae, Ph.D, (2016)	Study the Formation of Worm-or thread-like Micelles By measurement some of physical parameters
<u>4</u>	Al Hakam A. Al-Zarrary; M.Sc (2013)	Theoretical Study on Some Hydrotropes and Surfactants Using DFT & QSAR Calculations
<u>5</u>	Fadia A. Saadoon; M.Sc (2012)	Exploration of the Formation of Wormlike Micelles for Mixed Systems of Surfactants, with Hydrotrope and Some Inorganic Salts
<u>6</u>	Fahad J. Hammad; M.Sc (2011)	A Study of Some Physical Properties for Binary and Ternary Surfactants Systems with the Effect of Addition of Methyl Salicylate on the Critical Micelles Concentration
<u>7</u>	Talaat R. Al-Ramadany; Ph.D. (2010)	Effect of Some Substituents and Surfactants on the Kinetic and Thermodynamic of the formation of Schiff bases
<u>8</u>	Alaa M. Hashim; M.Sc. (2010)	Effect of Some Organic Additives on Critical Micelle Concentration of Ionic Surfactants
<u>9</u>	Mohammad K. Hassan; M.Sc. (2008)	Study of the Effect of Hydrocortizone Acetate Drug on Critical Micelles Concentration of Surfactants and their effect on the Kinetics of its

		Basic Hydrolysis
<u>10</u>	Sanna A. Husain; M.Sc. (2006)	Kinetic and Determination Study of the Condensation of Benzocaine, and para-Dimethylaminobenzaldehyde, and its basic hydrolysis with effect of Surfactants
<u>11</u>	Abdussamed M. Ali; M.Sc. (2005)	Physical and Analytical Investigations of the Reaction between Bromhexine Drug and para-Dimethylaminobenzaldehyde in Presence of Anionic Surfactants
<u>12</u>	Rawya Z. Al-Khayat; M.Sc. (2004)	Kinetic and Determination Study of the Reaction between some Antibiotics and para-Dimethylaminobenzaldehyde with Micellar Effect
<u>13</u>	Bashar Z. Al-Khiro; M.Sc. (2003)	Kinetic & Determination Studies of the Reaction between Sulfa Drugs and para-Dimethylaminobenzaldehyde with Micelle Effect
<u>14</u>	Alla H. Jalil; M.Sc. (2000)	Direct and Continuous Electrochemical Method for Preparing Lead(II) Acetate from Local Sources

Scientific Activities

- Member of the Advisory Committee for the Arab Impact Factor Project / Arab Universities Union.
http://www.arabimpactfactor.com/pages/Show_Advisory_Committee.php
- Head of the Committee for Quality Assurance and University Performance, Department of Chemistry, College of Science. 2009-2020.
- Head of Seminar Committee at Chem. Dept. from 1999 to 2011.
- Member of the Central Committee for National Classification of the University of Mosul
- Member of Scientific Equipment Importation Committee at Chem. Dept. since 2001-2004.
- Member of the Quality Assurance Consul of College of Science 2012-2014.
- Member of central committee for scientific promotion of university of Mosul 2013-2017.

- Many not refereed researches have been carried out for solving problems in several local industrial aspects such as rubber, batteries and drugs companies.
- Selected as one from Mosuli Famous Characters in Twentieth Century, published by Mosul Studies Center, University of Mosul, 2007.
<http://www.dr-omaraltaleb.com/KOTOB/maosoa/index.htm>
- Awarded by Vice-President (Mr. Tariq Al-Hashimi) prize for distinguished applicable research at 5th March 2008 [Use of Acetic Acid as an Electrolyte in Lead Electrorefining].
- Awarded by Iraqi Minister of Higher Education and Scientific Research as distinguished academic staff, Baghdad (6th April 2010).
- Joined as participant in First Yarmouk School for Computational Condensed Matter and Nano Systems 31 October – 4 November, Irbid, Jordan.
- Awarded by Iraqi Minister of Higher Education and Scientific Research by a Scientific Distinguishing Medal Baghdad (20th September 2017).
- Awarded as * **Lifetime Achievement Award*** by International Scientist Awards 2020 on Engineering, Medicine and Science, Sep- 2020, VDGGOOD Technology Factory.
- A member of Editorial board of the Asian Journal of Green Chemistry (Asian J. Green Chem.) 2017-2018
http://www.ajgreenchem.com/article_65773_087f897a4fc164cf2c6ab4bfa33dcc75.pdf
- **Peer reviewer of the following Scientific Journals (Impact factors):** Energy & Fuels; Soft Matter; Journal of the Chemical Society of Pakistan; Talanta; Food Chemistry; Spectrochimica Acta Part A Molecular Spectroscopy; Journal of Colloid and Interface Science; International Journal of Food Sciences and Nutrition; International Journal of Food Science & Technology; Naturwissenschaften; Journal of the Iranian Chemical Society; Progress in Color, Colorants and Coatings (PCCC), Journal of Materials Engineering and Performance.
- Completed the Publons Academy peer review course and graduated on June 11th 2017; <https://publons.com/a/569497>
- Mentor of the Publons Academy <https://publons.com/a/569497>

- Member of Organization Committee and keynote speaker at 3rd Chemistry Conference, University of Mosul, October 24th–25th, Mosul-Iraq.
- Selected as a member of Technical Program Committee in many international conference
 - <http://www.epce2017.org/?op=committee>
 - <http://www.imst2017.org/?op=committee>
 - <https://nanoscience.conferenceseries.com/organizing-committee.php>
 - <http://www.icmea2017.org/?op=committee>
 - <http://www.amra2017.org/?op=committee>
 - <http://www.icmea2017.org/?op=keynotes>
 - <http://www.msee2017.org/?op=committees>
 - <http://www.cpcmconf.org/Committee.html>
 - <http://www.icchem.org/2017/programcommittee2>
 - <http://scientificfederation.com/green-chemistry-2018/organizing-committee.php>
 - <https://scientificfederation.com/biofuels-2018/organizing-committee.php>
 - <https://materialscience.materialsconferences.com/organizing-committee.php>
 - <https://petrochemistry.annualcongress.com/organizing-committee.php>
 - <https://www.meetingsint.com/conferences/>
 - <http://outlookconferences.com/olcgcnc-2019/committee.php>
 - <https://www.middleeastmeetings.net/conferences/molecularphysics/2019/ocm/dr-rabah-ali-khalil-university-of-mosul-iraq>
 - <https://www.meetingsint.com/conferences/molecularphysics/2019/ocm/rabah-ali-khalil-university-of-mosul-iraq>
 - <https://www.meetingsint.com/conferences/Peptide/2019/ocm/rabah-ali-khalil-university-of-mosul-iraq>