

Academic Curriculum Vitae



Personal Information:

Full Name: Essa Ismaeil Ahmed

Academic Title: Assistant Professor

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Education:

- PhD (Petroleum Chemistry) University of Leicester, Leicester –The UK
- MSc (Petroleum Chemistry) Salahaddin University-Erbil - Iraq
- BSc (Chemistry) Salahaddin University-Erbil - Iraq

Employment:

- My first employment was on January 27th 2003 at the chemistry department, college of education, Salahaddin university-Erbil, Iraq, and still working at the same institute.

Qualifications:

- Teaching qualification (More than fifteen years of experience in areas associated with Fossil fuels, petroleum refining, petroleum properties, characterization of petroleum and its products, production of lubricants oils and re-refining of used lubricating oils, .
- More than fifteen years' experience in teaching theoretical and practical chemistry subjects for undergraduate students specifically petroleum and polymer, industrial chemistry, Academic skills, Environmental chemistry, inorganic chemistry, corrosion in ionic liquids, and natural products.)
- IT qualification (Microsoft PowerPoint, Microsoft Word, Microsoft Excel, Origin, Endnote, MATLAB, etc.),

- Completion of computer and internet course at the computer and internet center from continuous education center of Salahaddin university-Erbil, July 13th to August 5th 2004.
- Language qualifications,
- The Summer Intensive English Program qualification, The Millennium English Language Instruction in Kurdistan (MELIK), sponsored by the Language Center of Salahaddin University and Millennium Relief and Development Services from July 9th to September 4th, 2005.
- IELTS (6 scores) and B, C and D Pre-session English language course at ELTU unit from the university of Leicester which equivalent to 6 IELTS

Professionality,

- Current research centers on the area of petroleum based and novel semi-ionic environmentally compatible lubricants (named Deep Eutectic Solvents (DESs)).
- The chemistry of petroleum and ionic based lubricants
- Fuel characterization
- Corrosion of metals in aqueous and ionic liquids
- Intermolecular forces in ionic liquids
- Demetallization of oil using DESs

Teaching experience:

- Teaching petroleum chemistry for MSc students,
- More than fifteen years' experience in teaching theoretical and practical subjects for undergraduate students specifically petroleum and polymer, industrial chemistry, Academic skills, Environmental chemistry, inorganic chemistry, corrosion in ionic liquids, and natural products
- Petroleum and polymer lab supervision for the 4th year undergraduate study at the college of education Salahaddin university, and college of science university of Raparin, petroleum lab at the university of Knowledge, Nobel institute, etc.,

Research and publications

Books:

- Essa I. Ahmed, Nabil A. Fakhree, and Bnar M. Ibrahim, Corrosion of metals and its importance, 2021@ Salahaddin university printing press. ISBN:978-9922-632-87-2

، زانستی داخوریانی کانزاکان و گرنگیه که ی، عیسی اسماعیل احمد، نبیل عادل فخری و بنار محمود ابراهیم ، چاپخانه ی زانکوی سه لایحه ددین، هه ولیر ۲۰۲۱. ISBN:978-9922-632-87-2-

Journal articles:

- 1- A. P. Abbott, E. I. Ahmed, R. C. Harris and K. S. Ryder, Green Chem, 2014, 16, 4156-4161.
- 2- C. D'Agostino, L. F. Gladden, M. D. Mantle, A. P. Abbott, E. I. Ahmed, A. Y. M. Al-Murshedi and R. C. Harris, Phys Chem Chem Phys, 2015, 17, 15297-15304.
- 3- Farouq E. Hawaiz, E. I. Ahmed and Mohanad H. M. Masad, Zanko journal of pure and applied sciences, 22, 6, 2010, 78-87 b
- 4- Andrew P. Abbott, Essa I. Ahmed, Idrees B. Qader and K. S. Ryder, Fluid Phase Equilibria, 2017, 448, 2-8
- 5- Essa I. Ahmed, Andrew P. Abbott and K. S. Ryder, 6th International Conference and Workshops on Basic and Applied Sciences AIP Conf. Proc. 1888, 020006 (2017); doi: 10.1063/1.5004283
- 6- Essa I. Ahmed, Proceeding book of International Conference on Applied Science, Energy and Environment (ICASEE 2018) Science College / Ishik University April , 7th and 8th 2018
- 7- Essa I. Ahmed, Andrew P. Abbott and K. S. Ryder, corrosion of iron, nickel and aluminium in deep eutectic solvents, Electrochimica Acta, 397 (2021) 139284.
- 8- Cheman Dlashad Yousif, and Essa Ismaeil Ahmed, Demetallization of crude oil using Oxaline functionalized easily separable paramagnetic rust products, ZANCO Journal of Pure and Applied Sciences, 2023, inpress.

Conferences and courses attended

- 1- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Corrosion of metals in ionic liquids, *Electrochem Conference, September 1-3, 2013 Southampton University, Southampton*, Royal society newsletter issue two **2013**, p184.

- 2- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Lubrication and Corrosion Studies of Deep Eutectic Solvents (DESs), *Midlands Electrochemistry Group Meeting (MEG) 2014*, 1st April **2014**, Loughborough University, **Loughborough**.
- 3- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Lubrication studies of some Deep Eutectic Solvents (DESs), *the Molten Salt Discussion group*, 10th January **2014**, WMG International Digital Laboratory University of Warwick Coventry University of Warwick, **Coventry**.
- 4- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Lubrication studies of some Deep Eutectic Solvents (DESs), Iraqi Cultural Attaché Conference, 28th February **2014**, University of Nottingham, NG7 2RD, **Nottingham**.
- 5- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Using Deep Eutectic Solvents (DESs) as base lubricants, *Department Of Chemistry Postgraduate Research Day*, 14th April **2015**, University of Leicester, **Leicester**.
- 6- E. I. Ahmed, attendance to 3rd international conference on energy, environment and applied sciences (ICEEAS)-**2017**, Erbil-KRG, **Iraq**.
- 7- E. I. Ahmed, A. P. Abbott and K. S. Ryder, Lubrication Studies of some Type III Deep Eutectic Solvents (DESs), International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS)-**2017**, March 18th-19th 2017, Kurdistan, Erbil, **Iraq**.
- 8- E. I. Ahmed, attendance to 4th international conference on applied sciences, energy and environment (ICASEE)- **2018**, Erbil-KRG, **Iraq**.

Funding and academic awards

- List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

Professional memberships

- Royal society of chemistry associate member (AMRSC-512157)
- Energy institute (EI-0057626)
- Society of chemical industries (SCI)
- East midlands electrochemistry group-The UK
- Institute of corrosion (MICorr-206294)

- Kurdistan medical and scientific federation (KMSF)
- Kurdistan Chemists Syndicate (KCS-520)

Professional social networks:

- ORCID, ResearchGate, LinkedIn, Twitter, etc.

It is also recommended to create an academic cover letter for your CV, for further information about the cover letter, please visit below link:

<https://career-advice.jobs.ac.uk/cv-and-cover-letter-advice/academic-cover-letter/>