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(**Ph.D.**) in inorganic chemistry. University of Hull, England (2016). (**M.Sc.**) in inorganic Chemistry , University of Babylon, Iraq (2010). (**B.Sc.**) In General Chemistry, University of Babylon, Iraq (2003). Professional Experience: Teaching inorganic Chemistry (coordination chemistry, organometalic, advanced inorganic chemistry)

Publications:

a- Published Papers:

- 1- Aluminium complexes as catalysts for ring-opening polymerization of  $\epsilon$ -caprolactone bearing Schiff base ligands derived from 4,4'-Methylenebis(2,6-diisopropylaniline) Yahya Al-Khafaji *et al* 2019 *J. Phys.: Conf. Ser.* **1234** 012055.
- 2- Theoretical study for chromen azodyes derivative compounds as anticorrosive, M Merdan *et al* 2019 *J. Phys.: Conf. Ser.* **1234** 012054.
- 3- Cloud Point Extraction as a Procedure of Separation and Pre-Concentration for Copper (II) Determination Using Spectrofluorometric Techniques, Ahmed S. Abbas *et al*, *J. Pharm. Sci. & Res.* Vol. 10(7), 2018, 1748-1752.
- 4- Synthesis And Characterization Of Niobium And Tantalum Complexes With Bidentate Ligand And Use In ROP Of  $\epsilon$ -Caprolactone, Yahya F. Al-Khafaji *et al*, And Ahmed Falah Albo Mousa, *Asian journal of chemistry.* Vol 30, no 2(2018), 260-262.
- 5- Organoaluminium Complexes Derived from Anilines or Schiff Bases for the Ring-Opening Polymerization of  $\epsilon$ -Caprolactone,  $\delta$ -Valerolactone and *rac*-Lactide, Xue Wang, Ke-Qing Zhao, **Yahya Al-Khafaji**, Shangyan Mo, Timothy J. Prior, Mark R. J. Elsegood, and Carl Redshaw, *Eur. J. Inorg. Chem.* **2017**, 1951–1965.
- 6- Multimetallic Lithium Complexes Derived from the Acids  $\text{Ph}_2\text{C}(\text{X})\text{CO}_2\text{H}$  ( $\text{X}=\text{OH}, \text{NH}_2$ ):Synthesis, Structure and Ring Opening Polymerization of Lactides and Lactones ,**Yahya F. Al-Khafaji**, Timothy J. Prior, Lynne Horsburgh, Mark R. J. Elsegood, and Carl Redshaw, *ChemistrySelect*, **2017**, 1, 1 –11.
- 7- Ring opening polymerization of lactides and lactones by multimetallic alkyl zinc complexes derived from the acids  $\text{Ph}_2\text{C}(\text{X})\text{CO}_2\text{H}$  ( $\text{X} = \frac{1}{4} \text{OH}, \text{NH}_2$ ), **Yahya F. Al-Khafaji**, Mark R. J. Elsegood, Josef W. A. Frese and Carl Redshaw, *RSC Adv.*, **2017**, 7, 4510–4517.
- 8- Vanadium(V) phenolate complexes for ring opening homo- and co-polymerisation of caprolactone, Lactide and *rac*-lactide, Feijie Ge, a Yi Dan, **Yahya Al-Khafaji**, Timothy J. Prior, Long Jiang, Mark R. J. Elsegood and Carl Redshaw, *RSC Adv.*, **2016**, 6, 4792–4802.
- 9- Molybdenum (VI) Imido Complexes Derived from Chelating Phenols: Synthesis, Characterization and  $\square$ -Caprolactone ROP Capability, **Yahya Al-Khafaji**, Timothy J. Prior, Mark R. J. Elsegood and Carl Redshaw, *Catalysts*, **2015**, 5, 1928-1947.
- 10- Tetraphenolate niobium and tantalum complexes for the ring opening polymerization of  $\epsilon$ -caprolactone, **Yahya Al-Khafaji**, Xinsen Sun, Timothy J. Prior, a Mark R. J. Elsegood and Carl Redshaw, *Dalton trans.*, *Dalton Trans.*, **2015**, 44, 12349-12356.
- 11- Photocatalytic decolorization of methylene blue dye by zinc oxide powder Amjed Mirza Oda, Ahmed Salih, Salih Hadi, Ahmed Jawad, Ahmed Sadoon, **Yahya Fahim**, Anfal Fadhil, *J Babylon Univ Pure Appl Sci*, **2014**, 2508-2515.
- 12- Investigation of Chloro Pentaammine Cobalt (III) Chloride-Polyvinyl Alcohol Composites, Majeed Ali Habeeb, **Yahya Fahim**, Saba R Salman, Ahmed Hashim, Hind Ahmed, *the International Institute for Science, Technology and Education (IISTE)*, **2013**.

**b-Published Books:** Green and Sustainable Advanced Composite Materials: Processing and Characterization, John Wiley & Sons, Inc, 143-152, 2018.

**c- Membership of Professional Bodies:** 1- Member of Royal Society of Chemistry ( RSC), 2015 till now. 2- Member of Editorial Board of the World Journal of Applied Chemistry, 2018 till now.