

ABDULQADIER HUSSIEN NIAMA ALKHAZRAJI

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Gender: Male



Educational Qualifications

- 2012– 2017 Ph.D., Physical Chemistry, Moscow Technological University / Russia
Supervised by Professor V.R. Flid and M.V. Kulikova
Title/ Iron-nanopartecles catalysts "core-shell" in the Fischer-Tropsch reaction:
synthesis, structure, properties and kinetic aspects
- 2003–2006 M.Sc., Organic Chemistry, University of Baghdad/ Iraq
- 1989–1994 B.Sc., Chemistry, University of Baghdad/ Iraq

Work Experience

- 2017 to present Lecturer, member of staff of the Department of Chemistry/ University of Diyala
- At university of Diyala, Supervision of Master student on their project.
 - Teaching postgraduate students (Master students) Nano catalysts
 - Teaching postgraduate students (Higher diploma) Physical Chemistry.
 - Teaching undergraduate students at level 4 the Petrochemistry
 - Teaching undergraduate students at level 2 and 3 the Physical Chemistry.
- 2012-2017 PhD at Moscow Technological University of Master students and summer students on their project.
- 2008-2013 Assistant Lecturer, member of staff of the Department of Chemistry/ Diyala University
- Taught undergraduate students at level 1 the Analytical chemistry
 - Taught undergraduate student at level 3 and 4 College of Education for Pure Science / Diyala University
 - Led several seminars for undergraduates in the Chemistry Department
 - Supervision of undergraduate students on their projects
 - Examination invigilation ensuring correct procedures and processes were followed

Additional Skills

Practical skills

- Good knowledge of work-up techniques in Physical chemistry
- Practiced in structure determination using NMR, IR spectroscopy, mass Spectrometry , XRD , SEM , TEM and HPLC analysis
- Computing (Word, Excel, Ppt, Chemdraw, SciFinder)

Conferences attended

- Куликова, М.В. Каталитические системы на основе Fe и полимера, приготовленные *in situ* в среде парафина / М.В. Куликова, **А.К.Х Аль Хазраджи**, М.И. Иванцов, Г.Н. Бондаренко // Научная конференция ИНХС РАН, посвященная 80-летию со дня рождения академика Н.А. Платэ. 27 - 29 октября 2014 г. – Москва. С. 107.
- Kulikova, M.V. Fischer-Tropsch synthesis on nanosized metal-polymer composite catalysts in slurry reactor / M.V. Kulikova, **А.Н. Al-Khazraji**, V.B. Tsvetkov, O.S. Dementyeva, V.R. Flid, S.N. Khadzhiev // 12th European Congress on Catalysis – EuropaCat-XII. 30 August–4 September 2015. – Kazan, 2015. – С. 1373-1374.
- Аль Хазраджи, А.Х. Синтез и аттестация железосодержащих катализаторов в парафине и полимерной матрице (поликарбонате, полипропилене, полиэтилентерефталат и полистирол - бутадиена) в синтезе Фишера-Тропша / А.Х. Аль Хазраджи // Международная научная конференция студентов, аспирантов и молодых учёных «Ломоносов-2016». 11-15 апреля 2016. – Москва, 2016. – №8605.
- Аль Хазраджи, А.Х. Изучение эффективности наноразмерных железных катализаторов в присутствии различных полимерных матриц в синтезе Фишера-Тропша / А.Х. Аль Хазраджи, М.В. Куликова, В.Р. Флид // IV Российско-Казахстанская молодежная научно-техническая конференция «Новые материалы и технологии». 13-15 декабря 2016. – Барнаул, 2016. – С. 80-81.
- Аль Хазраджи Абдул кадир Хуссейн, Исследование влияния типа полимера в системе (Fe-парафин-полимера) катализатора на синтез Фишера-Тропша. Активность и Селективность. Activity and Selectivity, материалы международной научно-практической конференции (17 ноября 2016 г.)
- IOP Conf. Series: Materials Science and Engineering. IOP Publishing in Iraq. 2019. (paper)
- IOP Conf. Series: Materials Science and Engineering. IOP Publishing in Iraq. 2019. (paper)
- 2nd International Science Conference, Journal of Physics: Conference Series. IOP Publishing in Iraq. 2019. (paper)

Publications

- Влияние состава дисперсионной среды на протекание синтеза Фишера–Тропша в трехфазной системе в присутствии железосодержащего катализатора, **Нефтехимия**. – 2015. – Т.55, № 5. – С.391-395.

- Изучение каталитических и физико-химических свойств Fe-полимерных нанокатализаторов синтеза Фишера–Тропша методами динамического светорассеяния и ик-фурье спектроскопии, **Наногетерогенный катализ. – 2016. – Т.1, №2. – С.122-128.**
- Кинетические модели синтеза Фишера- Тропша в присутствии катализаторов с наночастицами железа на полимерных матрицах в сларри-реакторе, **Тонкие химические технологии. – 2016. – Т.11. – С.70-77.**
- Enhancement of Fischer-Tropsch Process Using Four Different Types of Polymers Over Nano Iron-Paraffin / Polymer System: **Journal of Engineering and applied sciences,14,2019, 7297-7301**
- Kinetic study of Fischer–Tropsch reaction over Iron Nano Catalysts in slurry reactor, IOP Conf. Series: **Journal of Physics: Conf. Series 1294, 2019, 052027.**
- Synthesis and Characterisation a new 1,2,4-Triazole Carbohydrate: **IOP Conference Series: Materials Science and Engineering, 571,2019, 1757-899.**
- Adsorption and photocatalytic degradation of Crystal violet dye by using Cadmium sulfide in aqueous solutions: **Journal of Global Pharma Technology,11,4,2019, 396-401.**
- The Effect of the Polymer Type in the Three-Phases Fischer-Tropsch Synthesis Catalyzed by suspended Iron Nanocatalysts: **Mediterranean Journal of Chemistry 2019, 9(5), 363-370.**
- Influence of Iron Nano Co-polymer Catalysts on the Liquid Hydrocarbons Production in the Synthesis Fischer Tropsch: **Journal of Global Pharma Technology,11,7,2019, 827-834.**
- Enhance the Growth of Multi- walled Carbon Nanotubes from Coal by Catalytic Chemical Flame Deposition: **IOP Conference Series: Materials Science and Engineering, 571,2019, 1757-899.**

Hobbies

- Playing and watching football. Reading books and research. Agriculture