



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6068

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Chimica - Università Degli Studi Di Milano

Scientist- in - charge: Prof. Fabio Ragaini.

Manar Ahmed Fouad Abdellatif**CURRICULUM VITAE****PERSONAL INFORMATION**

Surname	Abdellatif
Name	Manar Ahmed Fouad

PRESENT OCCUPATION

Appointment	Structure
Ass. Lecturer of organic chemistry	University of Alexandria (Egypt)

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Bachelor's degree	Chemistry	University of Alexandria (Egypt)	2016
Master's degree	Chemistry	University of Alexandria (Egypt)	2019
PhD degree	Chemistry	Università' degli studi di Milano (Italy)	The end of 3 years of research (5-December - 2023) Expected date for the degree (February - 2024)
Training at Egyptian Petrochemicals Company (EPC)	Petroleum and industrial chemistry	Egyptian Petrochemicals Company (EPC)	2015 and 2023

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
Oct- 2016	Member of The Syndicate of Scientific Professions	Cairo, Egypt
Dec- 2021	American Chemical Society (ACS)	Washington D.C., District of Columbia, US
Dec - 2022	Member of Egypt Scholars Associations	Cairo, Egypt



FOREIGN LANGUAGES

Languages	level of knowledge
Arabic	C2 (Native speaker)
English	B2
Italian	A2

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	Medal of academic excellence from University of Alexandria (Egypt) for top students.
2019	Award of the best master's thesis from University of Alexandria (Egypt).
2020	Full scholarship for PhD in chemistry at Università degli studi di Milano (Italy).
2021	Università di Camerino award for the best poster and the best presentation in the 13 th Edition of ISOC "International School of Organometallic Chemistry", Camerino (Italy).
2022	Magnus Group Conferences award for the best oral communication for young invited speakers session in the 2 nd edition of the Chemistry World Conference, Rome (Italy).

TRAINING OR RESEARCH ACTIVITY

<p>description of activity:</p> <ol style="list-style-type: none">Teaching general and organic chemistry courses (Chemistry department - University of Alexandria (Egypt))<ul style="list-style-type: none">Qualitative & Quantitative analysis of different organic & inorganic compounds.General organic chemistry.Simple organic compounds preparations.Food Chemistry.Bio-Organic Chemistry.Natural Products Chemistry.Tutoring and assisting students in organic chemistry Lab. in Marinella Ferrari summer school (Chemistry department - Università degli studi di Milano, Italy).Tutoring and assisting students in chemistry Lab. in the course "Idee, esperienze e risorse di chimica sperimentale" and "Alginati e sferificazione: alla scoperta della cucina molecolare" course (Chemistry department - Università degli studi di Milano, Italy).Supervising the graduation projects of last year chemistry and special chemistry students of organic and inorganic chemistry (Chemistry department - University of Alexandria, Egypt).Academic advisor for undergraduate chemistry students (Chemistry department - University of Alexandria, Egypt).Scientific and academic mentor in Egypt Scholars association.A founder member of the Egyptian chapter of the American Chemical Society (ACS-Egypt).Member of the catalysis division of the American Chemical Society (USA).Peer Reviewer for Molecular Diversity
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PROJECT ACTIVITY

Year	Project
2016-2019	Synthesis of Novel α -Aminoacyl Amide Derivatives via Ugi Reaction



2020-2023	Synthesis of <i>N</i> -Heterocycles via Palladium-Catalyzed Reductive Cyclization Reactions of Nitroarenes Using Formic Acid Derivatives as CO Surrogates.
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CONGRESSES AND SEMINARS

Date	Title	Place
Conference to which contributions were made through posters and/or oral presentations or as a member of the organizing committee		
Oct-2016	The 1 st Postgraduate Forum on Applied Science. (participated as an ORGANIZER)	University of Alexandria (Egypt)
Sep-2017	The 1 st Annual Conference on Applied Chemistry. (participated as an ORGANIZER)	University of Alexandria (Egypt)
Sep-2019	The 3 rd Annual Conference on Applied Chemistry. (participated as an ORGANIZER)	University of Alexandria (Egypt)
May-2021	The 1 st International Workshop entitled "Cutting-Edge Homogeneous Catalysis" (CEHC-1)	University of Toulouse (France)
Sep-2021	The 13 th Edition of ISOC "International School of Organometallic Chemistry"	Università di Camerino (Italy)
Sep-2021	The XXVII national conference of the Italian Chemical Society SCI-2021 "Chemistry drives sustainable development"	Società Chimica Italiana (Italy)
Nov-2021	The XXXV Edition of NTOS "New Trends in Organic Synthesis 2021"	Università degli studi di Milano (Italy)
Mar-2022	The 2 nd International Workshop entitled "Cutting-Edge Homogeneous Catalysis" (CEHC-2)	University of Leipzig (Germany)
June -2022	The 2 nd Edition of the Chemistry World Conference	Magnus Group Conferences (Rome, Italy)
Sep-2022	The 44 th Edition of ICC2022 "International Conference on Coordination Chemistry"	Università degli studi di Milano (Italy) + Società Chimica Italiana + European Chemical Society Organized in Rimini (Italy)
June - 2023	The XLVII edition of the "Attilio Corbella" International Summer School on Organic Synthesis (ISOS 2023)	Università degli studi di Milano (Italy)
Sep - 2023	The XXV Conference on Organometallic Chemistry - EuCOMC XXV	University of Alcalà (Spain)
Conferences to which contributions have been made by submitting an abstract		
Sep-2022	The XLVIII Italian Conference of Inorganic Chemistry.	Università di Pisa (Italy)
Nov - 2022	The 26 th International Electronic Conference on Synthetic Organic Chemistry	MDPI - virtual conference
Sep - 2023	International School of Organometallic Chemistry 2023 (ISOC-2023)	Università di Camerino (Italy)
Sep - 2023	XLIX Congresso Nazionale di Chimica	Università di Perugia (Italy)



	Inorganica	
Sep - 2023	The 6 th EuChemS Inorganic Chemistry Conference.	European Chemical Society (Austria)

PUBLICATIONS

ARTICLES
<p>Battle tactics against MMP-9; discovery of novel non-hydroxamate MMP-9 inhibitors endowed with PI3K/AKT signaling attenuation and caspase 3/7 activation via Ugi bis-amide synthesis.</p> <p>Mohammed Salah Ayoup, <u>Manar Ahmed Fouad</u>, Hamida Abdel-Hamid, El Sayed Ramadan, Marwa M. Abu-Serie, Ahmed Noby, Mohamed Teleb</p> <p><i>Eur. J. Med. Chem.</i> 186 (2020): 111875. Doi: https://doi.org/10.1016/j.ejmech.2019.111875</p>
<p>Two decades of recent advances of Ugi reactions: synthetic and pharmaceutical applications.</p> <p><u>Manar Ahmed Fouad</u>, Hamida Abdel-Hamid, and Mohammed Salah Ayoup</p> <p><i>RSC Adv.</i> 10 (2020): 42644. Doi: https://doi.org/10.1039/D0RA07501A</p>
<p>Synthesis of Indoles by Reductive Cyclization of Nitro Compounds Using Formate Esters as CO Surrogates.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, Dario Formenti, Fabio Milani and Fabio Ragaini</p> <p><i>Eur. J. Org. Chem.</i> 34 (2021): 4876. Doi: https://doi.org/10.1002/ejoc.202100789</p>
<p>Synthesis of Indoles by Palladium-Catalyzed Reductive Cyclization of β-Nitrostyrenes with Phenyl Formate as a CO Surrogate.</p> <p>Francesco Ferretti, <u>Manar Ahmed Fouad</u>, and Fabio Ragaini</p> <p><i>Catalysts.</i> 12 (2022): 106. Doi: https://doi.org/10.3390/catal12010106</p>
<p>Title: Use of Phenyl Formate as a CO Surrogate for the Reductive Cyclization of Organic Nitro Compounds to Yield Different <i>N</i>-Heterocycles: Avoiding the Use of Autoclaves and Pressurized Gases.</p> <p>Fabio Ragaini, Francesco Ferretti, and <u>Manar Ahmed Fouad</u></p> <p><i>Chem. Proc.</i> 12 (2022): 85. Doi: https://doi.org/10.3390/ecsoc-26-13711</p>
<p>Formic Acid as Carbon Monoxide Source in the Palladium-Catalyzed <i>N</i>-Heterocyclization of <i>o</i>-Nitrostyrenes to Indoles.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p><i>J. Org. Chem.</i> 88 (2023): 5108. Doi: https://doi.org/10.1021/acs.joc.2c02613</p>
<p>Phenyl Formate as a CO Surrogate for the Reductive Cyclization of Organic Nitro Compounds to Yield Different <i>N</i>-Heterocycles: No Need for Autoclaves and Pressurized Carbon Monoxide.</p> <p>Fabio Ragaini, Francesco Ferretti, and <u>Manar Ahmed Fouad</u></p> <p><i>Catalysts.</i> 13 (2023): 224. Doi: https://doi.org/10.3390/catal13020224</p>
<p>Effective Synthesis of 4-Quinolones by Reductive Cyclization of 2'-Nitrochalcones Using Formic Acid as a CO Surrogate.</p> <p>Francesco Ferretti, <u>Manar Ahmed Fouad</u>, Cecilia Abbo, and Fabio Ragaini</p> <p><i>Molecules.</i> 28 (2023): 5424. Doi: https://doi.org/10.3390/molecules28145424</p>
<p>Use of Formic Acid as a CO Surrogate for the Reduction of Nitroarenes in the Presence of Dienes: A Two-Step Synthesis of <i>N</i>-Arylpyrroles via 1,2-Oxazines.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, Simone Galiè, and Fabio Ragaini</p> <p><i>Eur. J. Org. Chem.</i> 26 (2023): e202300809. Doi: https://doi.org/10.1002/ejoc.202300809</p>




CONGRESS PROCEEDINGS
<p>Title: Synthesis of Indoles: Use of Formate Esters as CO Surrogates in the Metal Catalyzed Reductive Cyclization of <i>o</i>-Nitrostyrenes (Not Just a Chemistry Soup!).</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p>The 1st International Workshop entitled “Cutting-Edge Homogeneous Catalysis” (CEHC-1), 2021, University of Toulouse (France), online version, poster presentation.</p>
<p>Title: Formate Esters as Efficient CO Surrogates in The Synthesis of Indoles by Reductive Cyclization of Nitro Styrenes.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p>The 13th Edition of ISOC “International School of Organometallic Chemistry”, 2021, Università di Camerino (Italy), poster + flash presentations (Won the best poster and presentation award).</p>
<p>Title: From <i>o</i>-Nitrostyrenes to Indoles: Metal Catalyzed Reductive Cyclization of <i>o</i>-Nitrostyrenes Using Formate Esters as CO Surrogates.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p>The XXVII national conference of the Italian Chemical Society SCI-2021 “Chemistry drives sustainable development”, 2021, Società Chimica Italiana (Italy), poster presentation.</p>
<p>Title: Synthesis of Indoles by Reductive Cyclization of <i>o</i>-Nitrostyrenes Using Formate Esters as Efficient CO Surrogates.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p>The XXXV Edition of NTOS “New Trends in Organic Synthesis”, 2021, Università degli studi di Milano (Italy), oral presentation.</p>
<p>Title: From Our Worst Enemy to Our Best Friend: Pd-Catalyzed Reductive Cyclization of β-Nitrostyrenes Using Phenyl Formate as a CO Surrogate.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, and Fabio Ragaini</p> <p>The 2nd International Workshop entitled “Cutting-Edge Homogeneous Catalysis” (CEHC-2), 2022, University of Leipzig (Germany), oral presentation.</p>
<p>Title: CO From Our Worst Enemy to Our Best Friend: Pd-Catalyzed Reductive Cyclization of β-Nitrostyrenes Using Phenyl Formate as a CO Surrogate.</p> <p><u>Manar Ahmed Fouad</u>, Francesco Ferretti, Simone Galiè, and Fabio Ragaini</p> <p>The 2nd Edition of Chemistry World Conference, 2022, Rome, (Italy), <u>INVITED Speaker</u>.</p>
<p>Title: The Mystery Behind the Reductive Cyclization Reaction of <i>o</i>-Nitrobiphenyls: A Mechanistic Study.</p> <p><u>Manar Ahmed Fouad</u>, Doaa R. Ramadan, Francesco Ferretti, and Fabio Ragaini</p> <p>The 44th Edition of ICC2022 “International Conference on Coordination Chemistry”, 2022, Università degli studi di Milano (Italy) + Società Chimica Italiana + European Chemical Society, organized in Rimini (Italy), poster presentation.</p>
<p>Title: Gaseous Co-Free Reductive Cyclization Reactions of Nitroarenes: Two Heads Better Than One!</p> <p><u>Manar Ahmed Fouad</u>, Simone Galiè, Francesco Ferretti, and Fabio Ragaini</p> <p>The XLVII edition of the “Attilio Corbella” International Summer School on Organic Synthesis (ISOS 2023), 2023, palazzo Feltrinelli, Università degli studi di Milano (Italy), oral presentation.</p>



<p>Title: Gaseous CO-Free Palladium-Catalyzed Reductive Cyclization Reactions of Nitroarenes: An Endless Story!</p> <p>Manar Ahmed Fouad, Doaa R. Ramadan, Simone Galiè, Francesco Ferretti, and Fabio Ragaini</p> <p>The XXV Conference on Organometallic Chemistry - EuCOMC XXV, 2023, University of Alcalá (Spain), poster presentation</p>
<p>Title: Palladium/phenanthroline catalyzed synthesis of N-heterocycles by reduction of nitro compounds by CO surrogates: recent progresses and mechanistic studies.</p> <p>Fabio Ragaini, Manar Ahmed Fouad, Doaa R. Ramadan, Francesco Ferretti, Simone Galiè, Piero Macchi, Chiara Costabile</p> <p>The XLVIII Italian Conference of Inorganic Chemistry, 2022, Università di Pisa (Italy), submission of an abstract.</p>
<p>Title: Mechanistic Studies of the Palladium/Phenanthroline Catalyzed Reductive Cyclization of Nitroarenes by CO to give N-Heterocycles.</p> <p>Fabio Ragaini, Manar Ahmed Fouad, Doaa R. Ramadan, Francesco Ferretti, Chiara Costabile</p> <p>The XXV Conference on Organometallic Chemistry - EuCOMC XXV, 2023, University of Alcalá (Spain), submission of an abstract.</p>
<p>Title: Formic Acid as Carbon Monoxide Source: a two-steps Synthesis of 2,5-unsubstituted N-Arylpyrroles from Nitroarenes and Dienes.</p> <p>Manar Ahmed Fouad, Simone Galiè, Francesco Ferretti, and Fabio Ragaini</p> <p>ISOC "International School of Organometallic Chemistry", 2023, Università di Camerino (Italy), submission of an abstract.</p>
<p>Title: Formic acid as a CO surrogate in palladium-catalyzed reductive cyclization reactions of nitroarenes.</p> <p>Fabio Ragaini, Francesco Ferretti, Manar Ahmed Fouad, Simone Galiè, Cecilia Abbo</p> <p>XLIX Congresso Nazionale di Chimica Inorganica, 2023, Università di Perugia (Italy), submission of an abstract.</p>
<p>Title: Palladium/Phenanthroline Catalyzed Reductive Synthesis of N-Heterocycles from Nitro Compounds.</p> <p>Francesco Ferretti, Manar Ahmed Fouad, Doaa R. Ramadan, Simone Galiè, Cecilia Abbo and Fabio Ragaini</p> <p>The 6th-EuChemS Inorganic Chemistry Conference, 2023, European Chemical Society (Austria), submission of an abstract.</p>

OTHER INFORMATION

Scopus ID : 57211940455
ORCID  : 0000-0001-9128-9118
Citations = 128 , <i>h</i> -index = 5 (Updated till 30/11/2023 according to Scopus)
Laboratory and personal skills: <ul style="list-style-type: none">- Ability to use the standard Schlenk techniques to work under an inert atmosphere.- Ability to use gaseous carbon monoxide lines, autoclaves, and pressure tubes.



- Capabilities in the synthesis of organic compounds and metal complexes, mechanistic studies, and kinetic measurements on model and catalytic reactions.
- Characterization and purification by chromatographic techniques (Column chromatography, GC, HPLC).
- Characterization of compounds by NMR, IR, UV-Vis, GC-MS, and LC-MS.
- Proficiency in Microsoft Office, MestreNova, ChemBio Office, and references management programs (EndNote and Mendeley).
- Proficiency in presentation and communication skills.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: **Milano (Italia), 30/11/2023**