

Curriculum Viato



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Date of birth: 03.11.1951

Place of birth: Basrah, Iraq

Qualification:: B.Sc., Chemistry, Basrah University, 1968-1972
M.Sc., Organic chemistry, Basrah University, 1974-1976
Ph.D., Organic chemistry, University of Newcastle upon Tyne, UK, 1978-Dec.1980.

Thesis: **M.Sc.:** Photochemical Cyclization of Some Photoactive Sugar Derivatives

Ph.D.: Chemistry of Some of 5-thio-D-Hexoses

Academic positions: *Demonstrator, Chemistry, Basrah Uni., 1973-1976
*Assis. Lecturer, Chemistry, Basrah Uni., 1976-1978
*Lecturer, Organic chemistry, Basrah Uni., 1981-1981
*Assis. Professor, Organic Chemistry, Basrah Uni., 1986-1992.
*Full Professor, Organic Chemistry, Basrah Uni., **1992-till now.**
*Leader of Assoc. researchers and Professor at Konstanz University, **1994-2006.**
*Visiting Professor at Sulaimaniya Uni., College of Medicine, Iraq, via the UNDP program, IRI), 2006-2007.
Professor at Basrah University, College of Science, Basrah Uni., **2008-2017.**
* Honor Professor & consultant of medicinal Chemistry, Konstanz

Scholarships: Alexander von Humboldt Foundation fellow (Germany) at the Lab. of Prof. Dr. W. Pfeleiderer, Konstanz University: 1988-1989; 1990-1991; 1994-1995.

Publications: **182** published papers, reviews and articles in books.

Teaching: : *Teaching of organic courses (B.Sc, M.Sc. and Ph.D.):
Mechanism of organic chemistry, Stereochemistry, Organic synthesis, Pericyclic reactions, Natural products, Chemistry of

Carbohydrates, Chemistry of nucleic acids, Drug chemistry, Heterocyclic chemistry, Chemistry of amino acids, Pyrimidines.

Scientific activities:

- * Consultant of Saccor Medical group for AIDS management, London.
- * Member of the American group (ONE) for fighting AIDS.
- * Member of the American Chem. Soc.
- * Member of German Chemical Soc. (GDH)
- * Member of the Iraqi National Journal of Chemistry
- * Reviewers of several international journals: e.g.:
Nucleosides, Nucleotides & Nucleic acids (USA), J. Org. Chem.(USA), Bioorganic & Med. Chem.(USA), Molecules (Switzerland), Carbohydrate chem. (USA)
Z. Naturforschung (German), Monatshefte (Austria), Heterocycles (Japan)
- * Participation of several international and national conferences in the field of AIDS and cancer chemotherapy

Awards:

- * A distinguished and well-known scientist of Basrah University (2009/2010)
- * A personal acknowledgement from the Minister of higher education and scientific research (2012) for our remarkable achievements in AIDS chemotherapy research field.
- * Acknowledgements and glories of Babylon, Thi-Qar, Missan, Qadisiya, Baghdad and Basrah Universities for presentation of planary lectures concerning our work in designing and synthesis of anti-AIDS and anti-cancer candidates.
- * NISA Award for Outstanding Iraqi Research, 2015 for the best paper in Medical and Biomedical Science (in Steroids).

International scientific collaborations:

1. Prof. Dr. C. Pannecouque, Rega Institute for Medical Research, Katholieke Universiteit Leuven, Belgium (*AIDS research field*)
2. Prof. Dr. Thomas Mayer, Biology Dep., Konstanz Uni., Germany (*Kinesin Eg5 inhibition research field*)
3. Prof. Dr. W. Hartmann, and M. Engel, of Saarland Uni., Saarbrücken, Germany (*CYP17 hydroxylase inhibition, Prostate and breast cancer research field*)
4. Prof. P. La Colla, University of Cagliari, Italy (*Cancer research*)
5. Prof. Dr. Y. Al-Soud, Al al-Bayt Uni., Jordan (*Org. Synthesis*)
6. Profs. Shahid. Hameed, and Aamer. Saeed, Department of Chemistry, Quaid-i-Azam University, Islamabad, Pakistan (*Org. Synthesis*)
7. Prof. P. Langer, Chemistry Dep., Rostock Uni., Germany (*Org. Synthesis*)

Supervision:

- 16 Ph.D. theses (Iraq, Germany, Pakistan & Jordan)
- 25 M.Sc. theses (Iraq, Germany, Pakistan & Jordan)

Current work:

- Early Tumor Diagnosis by New Fluorescence Imaging Agents.
- Discovery of new imaging agents for using in arterial Angiography.

- Synthesis of new steroids as new inhibitors of CYP17 hydroxylase enzyme for treatment of prostate and breast cancer.
- Synthesis of new heterocycles as kinesin Eg5 inhibitors.
- Designing of new anti-HIV and anti-hepatitis C (HCV) agents.
- Modern Conformational analysis by 2D NMR (HSQC, HMBC, COSY, ROESY, TOSCY), Molecular Modeling and QSAR studies.