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1. **B.Sc. In Biochemistry.** Dept. of Biochemistry, Faculty of Science, Ain Shams University. May, 1989.

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List of publications:

1. Jamil H, Ghaffar A, Afzal F, Ahmad H, Abbas G, Fouad D, **Ataya FS**, Li K. Attenuation of salinity-induced stress and improvement of brackish water aquaculture of *Labeo rohita* through dietary interventions of multi-species probiotics. *Applied Water Science*. 2025 Jun;15(6):119. <https://doi.org/10.1007/s13201-025-02447-9>

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6. Suan MD, Nimkingrat P, Aryal S, Bhat AH, Noosidum A, **Ataya FS**, Sumaya NH. First Report of *Oscheius colombianus* (Nematoda: Rhabditidae) in the Philippines and Its Virulence Against Different Developmental Stages of the Common Cutworm, *Spodoptera litura*. *Journal of*
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9. Alam S, Afzal G, Hussain R, Ali HM, Sami A, Malik RM, Jabeen R, **Ataya FS**, Li K. Estimation of median LC₅₀ and toxicity of environmentally relevant concentrations of thiram in *Labeo rohita*. *NPJ Clean Water*. 2025 Feb 8;8(1):9 <https://doi.org/10.1038/s41545-025-00434->
10. Siddique AB, Ahsan H, Shahid M, Aslam B, Nawaz Z, Hussain R, Ahmad MZ, **Ataya FS**, Li K. Preparation and Characterization of Essential oil from *Lavandula spica* Plant and its Antimicrobial Activity against *Pseudomonas aeruginosa* and *Staphylococcus aureus*. *Microbial Pathogenesis* 2025, 198:107157. <https://doi.org/10.1016/j.micpath.2024.107157>
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سادساً : الندوات العلمية الداخلية والخارجية

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3. Evangelia Chronopoulou, **Farid S. Ataya**, Fotini Pouliou, Fereniki Perperopoulou, Nikolaos Georgakis, Irini Nianiou-Obeidat, Panagiotis Madesis and Nikolaos E. Labrou. Structure, evolution and functional roles of plant glutathione transferases. In book: Glutathione in Plant Growth, Development, and Stress Tolerance, Springer 2017. pp.195-213. [DOI: 10.1007/978-3-319-66682-2_9](https://doi.org/10.1007/978-3-319-66682-2_9). [PDF](#)
4. Evangelia Chronopoulou, **Farid S. Ataya**, Irini Nianiou-Obeidat, Panagiotis Madesis, Fotini Pouliou, Fereniki Perperopoulou, Nikolaos Georgakis and Nikolaos E. Labrou. The role of plant glutathione transferases in abiotic stress response and herbicide resistance. Springer 2017, pp.215-233, [DOI: 10.1007/978-3-319-66682-2_10](https://doi.org/10.1007/978-3-319-66682-2_10). [PDF](#)
5. **Ataya FS**, Fouad D (2005). Biochemistry. AlRoshd Publisher, Riyadh, KSA
6. **Ataya FS** (2005). Practical Biochemistry. AlRoshd Publisher, Riyadh, KSA
7. Fouad D, **Ataya FS** (2005). Endocrine Glands. AlRoshd Publisher, Riyadh, KSA
8. **Ataya FS**, Igeño M-I, Galván A, Fernández E (2002). Caracterización funcional de la MocoCP (proteína portadora del cofactor de molibdeno) recombinante de *Chlamydomonas reinhardtii*. Publicaciones de la Universidad de Navarra.
9. **Ataya FS**, Igeño M-I, Witte CP, Fernández E (2000). Aislamiento y caracterización de un cDNA para la proteína portadora del cofactor de molibdeno en *Chlamydomonas reinhardtii*. En: Avances en el metabolismo del nitrógeno: Bioquímica, Fisiología y Biología Molecular. (Francisco M. Canovas, F. Javier Florencio eds). Pub. Málaga University. Pp. 161-166.

Communications to Conferences

1. Fereniki Perperopoulou, **Farid Ataya**, Nikolaos E Labrou. 2017. Molecular characterization of glutathione transferase M1-1 from the *Camelus dromedarius*. 15th World Congress on Biotechnology And Biotech Industries Meet. 2nd International Conference on Enzymology & Mol. Biology. March 20-21, 2017. Volume 7, Issue 1 (Suppl), J Biotechnol Biomater, ISSN: 2155-952X JBIBM, Rome, Italy. <http://dx.doi.org/10.4172/2155-952X.C1.071>
2. Fereniki Perperopoulou, **Farid Ataya** and Nikolaos E Labrou. Characterization of the pesticide detoxifying enzyme CdGSTM1-1 by kinetic analysis and differential scanning fluorimetry. 4th European Chemistry Congress. May 11-13, 2017 Barcelona, Spain. Chem Sci J 2017, 8:2(Suppl) <http://dx.doi.org/10.4172/2150-3494-C1-009>

3. **Farid S. Ataya**, Molecular studies on one-humped camel urate oxidase enzyme and its applications” 1st Annual research Conference “Animal models in infectious diseases” organized by Epigenetics Core Laboratory at the Heinrich-Heine University. Germany 12-15/6/2015
4. Dalia Fouad **Farid S. Ataya**. Cloning, molecular modeling and kinetic study of glutathione transferase P1-1 from the camel *Camelus dromedarius*. ” 1st Annual research Conference “Animal models in infectious diseases” organized by Epigenetics Core Laboratory at the Heinrich-Heine University. Germany 12-15/6/2015
5. **Farid S. Ataya**, Dalia Fouad. Molecular cloning, characterization and predicted structure of SOD2 enzyme from camel, *Camelus dromedarius*. 5th International Conference on Biotechnology for the wellness industry Malaysia, Jun 10-11, 2014.
6. Dalia Fouad **Farid S. Ataya**. Molecular cloning, characterization and predicted structure of SOD2 enzyme from camel, *Camelus dromedarius*. 5th International Conference on Biotechnology for the wellness industry Malaysia, Jun 10-11, 2014.
7. Mohamed S. Daoud, Abdulaziz A. Al-Jafari, **Farid S. Ataya**, Dalia Fouad. Renin-Angiotensin-Aldosterone system gene polymorphisms among Saudi patients with Coronary artery disease. The 29th meeting of the Saudi Biological Society. Dammam, Saudi Arabia, Feb 25-27, 2014.
8. **Farid S. Ataya**, Abdul Aziz Al-Jafari, Mohamed S. Daoud and Dalia Fouad (2014) Molecular Cloning and in silico bioinformatics analysis of mitochondrial glutathione S-transferase-kappa from the camel, *Camelus dromedarius*. The 29th meeting of the Saudi Biological Society. Dammam, Saudi Arabia, Feb 25-27, 2014.
9. Mohamed M. Ibrahim, Amal A. Hazani, Afaf I. Shehata, Gehan A. EL-Gaaly, Abdulaziz Al-Jafari, **Farid Ataya**, Humaira Rizwana and Nadine M.S. Moubayed. Synthesis of eco-friendly silver nanoparticles using plant extracts and assessment of their antimicrobial activity. World Biotechnology Congress. June 3-6, 2013. Boston, MA, USA
10. **Ataya F (2013)** Molecular Cloning, Phylogenetic Analysis and 3D Modeling of a Putative Lysosomal Acid Lipase from the Camel, *Camelus dromedarius*. The 28th meeting of the Saudi Biological Society. Hael, Saudi Arabia, April 9-11, 2013.
11. Fouad D, **Ataya FS**, Al Obaid H (2013): The effect of melatonin on the oxidative stress induced by food colorant additives on some blood parameters and antioxidant defense system in the kidney of male rats. The 28th meeting of the Saudi Biological Society. Hael, Saudi Arabia, April 9-11, 2013. (Awarded the best work, Poster)
12. **Ataya FS**, Fouad D (2012): Molecular Cloning, Characterization and Predicted Structure of a Putative Copper-Zinc SOD1 from the Camel, *Camelus dromedarius*. The 27th meeting of the Saudi Biological Society. Jazan, Saudi Arabia, March 6-8, 2012. (Awarded the best work, Poster)
13. Fouad D, **Ataya FS**, Hessa Al Obaid (2012): The Modifying Effect of Melatonin on the Cytotoxicity Induced by Sunset Yellow in Male Rats . The 27th meeting of the Saudi Biological Society. Jazan, Saudi Arabia, March 6-8, 2012.

14. Fouad D, **Ataya FS**, Jordi Muntane (2011): Expression of p53 during apoptosis induced by D-galactosamine and the protective role of PGE1 in cultured rat hepatocytes. The 26th meeting of the Saudi Biological Society. AlTaif, Saudi Arabia, May 10-12, 2011.
15. **Ataya FS (2010)**: Partial sequence of glutathione S-transferase gene of Arabian camel *Camelus dromedarius*. The XXXIII Conference of The Spanish Society for Biochemistry and Molecular Biology (SEBBM) Cordoba , Spain, September 15 - 17, 2010.
16. **Ataya FS**, Anazi MS, and Saeed HM (2010): Phase II Drug Metabolizing Enzyme glutathione S-transferase Pi: Identifying the gene sequence from Arabian camel *Camelus dromedarius*. 4th International Conference of Biomarkers in Chronic Diseases (4th ICBCD, 2010) Riyadh, Saudi Arabia on May 4-6, 2010.
17. **Ataya FS** (2009): The First International Conference on Biotechnology (Towards Knowledge-Based Economy). Riyadh, Saudi Arabia on Feb 16-18, 2009.
18. **Ataya FS**, Igeño MI, Galván A, Fernández E (2002): Molecular análisis on the Molybdenum cofactor carrier protein of *Chlamydomonas reinhardtii*. Nitrogen Assimilation, Molecular and Genetic Aspects (NAMGA 2002), July 2002. Córdoba. Spain.
19. **Ataya FS**, Witte C-P, Igeño MI, Galván A, Fernández E (2002): Nueva proteína portadora del cofactor de molibdeno de *Chlamydomonas reinhardtii*. Reunión Nacional Del Plan Andaluz de Investigación de Fijación de Nitrógeno, Febrero 2003. Benalauría. Spain.
20. **Ataya FS**, Igeño MI, Galván A, Fernández E (2002): Caracterización molecular de la proteína portadora del cofactor de molibdeno de *Chlamydomonas reinhardtii*. IX Reunión Nacional de Fijación de Nitrógeno, Febrero 2002. Córdoba. Spain.
21. **Ataya FS**, Igeño MI, Galván A, Fernández E (2001): Clonación y caracterización de la proteína portadora del cofactor de molibdeno (MocoCP) de *Chlamydomonas reinhardtii*. I Jornada de Divulgación de la Investigación en Biología Molecular, Celular y Biotecnología, Diciembre 2001, Córdoba, Spain.
22. Fernández E, Galván A, **Ataya FS**, Pérez-Alegre M, Llamas A, González D, Mariscal V, Macías MI, Prieto R, Igeño MI, Merchán F, Quesada A, Cómez I, Pozuelo M, Rexach J, Navarro MT (2001): Biología Molecular de la asimilación de nitrato en algas. I Jornada de Divulgación de la Investigación en Biología Molecular, Celular y Biotecnología, Diciembre 2001, Córdoba, Spain.
23. **Ataya FS**, Igeño M-I, Galván A, Fernández E (2001): Caracterización funcional de la MocoCP (proteína portadora del cofactor de molibdeno) recombinante de *Chlamydomonas reinhardtii*. VI Reunión Nacional del Metabolismo de Nitrógeno, Junio 2001. Pamplona, Spain.
24. Igeño M-I, **Ataya FS**, Fernández E. (2000): Estudios moleculares de la proteína portadora del cofactor de molibdeno en *Chlamydomonas reinhardtii*. XXIII Congreso de la SEBBM. Septiembre, 2000, Granada, Spain.

25. **Ataya FS**, Igeño M-I, Witte, CP, Fernandez E (1999): Aislamiento y caracterización del gen de la proteína portadora de MoCo (cofactor de molibdeno) en *Chlamydomonas reinhardtii* . V Reunión Nacional del Metabolismo del Nitrógeno
26. **Ataya FS**, Igeño M-I, Witte CP, Fernández E (1999): Aislamiento y caracterización de un cDNA para la proteína portadora del cofactor de molibdeno en *Chlamydomonas reinhardtii*. V Reunión Nacional del Metabolismo del Nitrógeno y I Reunión con el grupo de la Biochemical Society. Torremolinos (Málaga), Spain, 1999.
27. Igeño M-I, Witte C-P, **Ataya FS**, Mendel RR, Fernández E (1998): Molybdenum cofactor binding protein in *Chlamydomonas reinhardtii*. 5th International Symposium on inorganic Nitrogen Assimilation. July 1998, Luso- Portugal.
28. **Ataya FS**, Igeño M-I, Witte CP, Mendel RR, Fernández E (1998): Proteínas relacionadas con el metabolismo de molibdeno en *Chlamydomonas reinhardtii*. XXI Congreso de la Sociedad Española de Bioquímica y Biología Molecular. Septiembre 1998, Sevilla, Spain
29. Igeño M-I, Witte C-P, **Ataya FS**, Fernández E (1998): Molybdenum cofactor binding protein in *Chlamydomonas reinhardtii* 8th International Conference on the Cell and Molecular Biology of Chlamydomonas. June, 1998, California, USA.
30. Fernández E, Witte C-P, Igeño M-I, **Ataya FS**, Llamas A, Kalakoutskii, KL, Merchan F, Perez-Alegre M, Mendel RR (1998): Nitrate assimilation in *Chlamydomonas*: regulation and molybdenum cofactor. Workshop on the Molecular Bases of Nitrate metabolism in Microorganisms.

Participation in Investigation Projects

- 1. Title of the Project:** Cloning, expression and characterization of urate oxidase for possible diagnostic kit preparation

Duration: from May 2017-May 2018

Principal Investigator: Dr. Farid Shokry Ataya

Area of the Project: Biotechnology

Funded by: King AbdulAziz City of Science and Technology (KACST)
Project # 223-37 م ص

- 2. Title of the Project:** Study of the hypoglycemic and hypolipidemic effects of ferulic acid extracts of date palm leaves in rats

Duration: from 2014-2017

Principal Investigator: Dr. AboulGassim O. AboulGassim

Area of the Project: Biotechnology

Funded by: National Plan for Science & Technology, KSA-KSU
Project # BIO-2694

- 3. Title of the Project:** Cloning and characterization of camel's detoxification enzymes, GSTth, GSTpi and GSTomega
Duration: from 11/04/2013 to 2014
Principal Investigator: Dr. Dalia Fouad
Area of the Project: Biotechnology
Funded by: King AbdulAziz City of Science and Technology (KACST)
 Project # 22-32 م ص
- 4. Title of the Project:** Therapeutic implications of stem cells
Duration: from 2010 to 2012
Principal Investigator: Dr. Faris Q. Alenzi
Area of the Project: Biotechnology
Funded by: National Plan for Science & Technology, KSA-KSU.
- 5. Title of the Project:** Biochemical studies on the DNA repairing enzymes in camel.
Duration: from 2009 to 2010
Principal Investigator: Dr. Farid S Ataya
Area of the Project: Biotechnology
Funded by: King AbdulAziz City of Science and Technology (KACST)
- 6. Title of the Project:** Molecular biology of the nitrate reduction in green algae. PB98-1022-CO2-02.
Duration: from 1999 to 2003
Principal Investigator: Dr. Emilio Fernández Reyes
Area of the Project: Biotechnology
- 7. Title of the Project:** Molecular Biology of the nitrate reduction in green algae. PB95-0554-CO2-01
Duration: 15-10-1997 to 1999
Principal Investigator: Dr. Emilio Fernández Reyes
Area of the Project: Biotechnology
- 8. Title of the Project:** Metabolism of the inorganic nitrogen in algae. Junta de Andalucía. PAI CVI-0128
Duration: 1997 to 2001
Principal Investigator: Dr. Emilio Fernández Reyes
- 9. Title of the Project:** Biología molecular de la asimilación de nitrato en algas
Duration: From 01/11/1999 to: 01/11/2002

Principal Investigator: Dr. Emilio Fernandez Reyes

10. Title of the Project: Enzyme Production for Clinical Diagnosis and Industrial Application.

Financed by: USA Agency for International Development, Science and Technology Cooperation Program (STC) Agreement N° 263-0140.1.

Duration: from 1991 up to 1994

Principal Investigator: Dr. Abdel Hady Ghazy, National Research Center, Egypt.

11. Title of the Project: Production of Enzyme for Clinical Diagnosis and Industrial Application

Financed by: Ministry of Scientific Investigation, Egypt

Duration: from 1992 up to 1997

Principal Investigator: Dr. Ragaa Reda Hamed, National Research Center. Egypt.

12. Title of the Project: Detoxifying Enzyme Used in Environmental Pollution.

Financed By: Ministry of Scientific Investigation, Egypt

Duration: from 1995 up to 1997

Principal Investigator: Dr. Ragaa Reda Hamed, National Research Centre, Egypt.

Summary of Technical Experience

1. Chromatographic Techniques, these include isolation and purification of some enzymes and proteins.
2. Isolation and purification of bacterial DNA, plasmid DNA, and bacterial RNA.
3. Isolation and purification of mammalian DNA and RNA.
4. Preparation of genomic and cDNA library on phage lambda.
5. Screening of genomic and cDNA library with radioactive DNA probes and with antibodies (Immunoscreening).
6. Different electrophoretic Techniques for DNA, RNA, and proteins.
7. Blotting techniques; Southern, northern, and western blotting.
8. Transformation and Expression in both *E. coli* and *Bacillus subtilis*.
9. Mutation detection using different molecular biology techniques such as; PCR, sequencing, RFLP, SSCP and DGGE.
10. Reverse Transcriptase Polymerase Chain Reaction (RT-PCR), Multiplex Polymerase Chain Reaction.
11. Sequencing techniques using automated DNA sequencer Megabace Machine (Amersham)

Courses given and Community Services _Teaching Experience

- 601 BCH Course (1 semester, Col. Science, KSU), 2 Credit hours, Advances in Applied Biochemistry, PhD course
- 555 BCH Course, (1 semester, Col. Science, KSU), 3 Credit hours, Experimental Techniques in Molecular Biology, Master of Science (MSc.) course
- 550 BCH Course, (2 semester, Col. Science, KSU), 1 Credit hour, Molecular Biology of The Gene, Master of Science (MSc.) course
- 530 BCH Course, (1 semester, Col. Science, KSU), 1 Credit hour, Biochemical Methodology, Master of Science (MSc.) course
- 520 BCH Course, (1 semester, Col. Science, KSU), 1 Credit hour, **Mechanisms of Enzyme Action**, Master of Science (MSc.) course
- 485 BCH Course (2 semesters, Col. Science, KSU), 1 Credit hour, Advanced Biochemistry Training course
- 452 BCH Course, (3 semesters, Col. Science, KSU), 2 Credit hours, Biomembranes and Cell Signaling
- 450 BCH Course, (4 semesters, Col. Science, KSU), 2 Credit hours, Biochemistry of specialized tissues
- 103 BCH course (1 semester, Col. Science, KSU), 2 Credit hours, Biochemical fundamentals of Life
- 202 BCH course (3 semester, Col. Science, KSU), 3 Credit hours, General biochemistry
- 303 BCH course (2 semester, Col. Science, KSU), 3 Credit hours, Protein Biochemistry
- 302 BCH course (4 semester, Col. Science, KSU), 4 Credit hours, General Biochemistry-2
- 201 BCH course (5 semester, Col. Science, KSU), 3 Credit hours, General biochemistry-1
- 101 BCH course (20 semesters, Col. Science, KSU), 4 Credit hours, General biochemistry
- 443 BCH Course, (10 semesters, Col. Science, KSU), 2 Credit hours, Biochemistry of specialized tissues
- 476 BCH Course, (10 semesters, Col. Science, KSU), 2 Credit hours, Biochemistry of antibiotics
- 102 BCH Course, (1 semester, Col. Science, KSU), 2 Credit hours, Biochemistry of Cell
- 498BCH, (7 semesters, Col. Science, KSU), 1 Credit hour, Research project-1
- 497BCH, (2 semesters, Col. Science, KSU), 3 Credit hour, Research project
- 499BCH, (7 semesters, Col. Science, KSU), 2 Credit hours, Research project-2
- General biochemistry course, Faculty of Education (Girls), Nuairaiyah, Eastern Region, KSA, Oct 2003 to June 2006,
- Biotechnology (4^o course of Biochemistry). Academic course: 1998-1999, University of Córdoba, Spain Professor responsible for the subject: Dr. Emilio Fernández Reyes
- Gene cloning, Practical Ph.D. course. 3 Credit hours: Academic course: 2000-2001, University of Córdoba, Spain, Professor responsible for the subject: Dr. Emilio Fernández Reyes

Community Services and Training given by Dr. Ataya

- 10 Credit Hours (Two days) training course Title “Risk Assessment and First Aid in the Laboratories” Deanship of Skill Development, KSU, Sa, 18-19/04/2016, 11-12/07/1437h.
- 10 Credit Hours (Two days) training course Title “Risk Assessment in the Laboratories” Community Service and Training Committee, KSU, Saudi Arabia, 21/03/2018, 27-28/07/1437h.
- 6 Credit Hours workshop entitled “Isolation and quantification of DNA” Community Service and Training Committee, KSU, Saudi Arabia, 10/04/2018.
- 4 Credit Hours Lecture entitled “Recombinant protein production” Community Service and Training Committee, KSU, Saudi Arabia, 21/03/2018.
- 6 Credit Hours Lecture entitled “Bioinformatics as tools in Drug Design” Community Service and Training Committee, KSU, Saudi Arabia, 10/04/2018.
- 6 Credit Hours Workshop entitled “Recombinant Protein Production” Community Service and Training Committee, KSU, Saudi Arabia, 22/05/1440.
- 6 Credit Hours Workshop entitled “Recombinant DNA Technology: from gene to protein” Monday 29/5/1440.
- 30 credit hours work shop entitled “Recombinant DNA Technology: from gene to protein” Monday 20/8/2019-5/9/2019
- 35 credit hours work shop entitled “Recombinant DNA Technology: from gene to protein” 15-24/5/2022
- 4 hours work shop entitled “Primer design and PCR technique” Abril 2022

Membership in Biochemistry dept. KSU Committees:

Coordinator of Curriculum committee (2014-to 2018)

Coordinator of 101 BCH course committee (2009-to date)

Coordinator of e-learning Committee (2012-to 2015)

Coordinator of Student’s Activity Unit (2015-to date)

Member of Training and Community Services Committee, College of Science (2016- to date)

Member of Curriculum committee at the College (2014-to date)

Member of the Training and Community Service Unit (2015 to date)

Member of the Academic Accreditation Committee (2008-2009 and 2010 to 2011)

Member of the E-learning College Committee (2011 to date)

Member of Development and Quality Committee (2010-to 2015)

Member of Practical lessons and Labs Committee (2008-2010)

Member of the Student Partnership Committee (2010 to date)

Coordinator of the curriculum and syllabus committee

Member of the Committee for Graduate Studies and Research

Member of the Department Steering Committee

Member of the Committee of Community Service

Membership in Scientific Societies:

La Sociedad Española de Bioquímica y Biología Molecular (SEBBM), Spain

Egyptian Society of Biochemistry and Molecular Biology, Cairo, Egypt

German Egyptian Society of Animal Science, Cairo, Egypt

The Union of Arab Biologist, Cairo, Egypt

The Saudi Biological Society, Riyadh, Saudi Arabia

Membership in Editorial Board of Scientific Journals:

American Journal of Biochemistry and Molecular Biology

Journal of Biological Sciences

International Journal of Biological Chemistry

African Journal of Biotechnology

Asian Journal of Biochemistry

Asian Journal of Biological Sciences

King Abdul Aziz City of Science and Technology, KACST, (Saudi Arabia)

National Plan of Science and Technology (Saudi Arabia)