

Postdoctoral fellowship  
 Unit of Biotechnology  
 Graduate School of Integrated Sciences for Life  
 Hiroshima University  
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 Microbiology and Immunology department  
 Faculty of Pharmacy  
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**Personal data**      **Born:** September 30,1980; Minia, Egypt  
**Marital Status:** Married + 3 children  
**Nationality:** Egyptian

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**Education**

- **B.Sc.Pharm.**, May 2002, Minia University, Egypt; **Excellent** (with **honors**).
- **Research student:** Oct. 2005-March 2006, Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan.
- **M.Sc.**, March 2008, Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan.  
**Thesis title:** Analysis on cell wall binding domain of *Staphylococcus aureus* autolysin as an affinity reagent for bacteria and its application to bacteria detection.
- **Ph.D.**, March 2011, Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan.  
**Thesis title:** Development of sensitive detection methods for bacteria and bacterial endotoxins

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**Career History**

- **Postdoctoral fellowship**, Unit of Biotechnology, Graduate School of Integrated Sciences for Life, Hiroshima University, Japan, Dec.2019-present.
- **Vice dean for academic affairs**, college of pharmacy, Hail University, Hail, KSA, Sep. 2017- Oct. 2018.
- **Vice dean for quality and development**, college of pharmacy, Hail University, Hail, KSA, Dec. 2014- May 2019.
- **Clinical instructor** for Pharm. D. students, Hail University, Hail, KSA, June 2016- May 2019.
- **Internal auditor**, Hail University, Hail, KSA, Oct. 2015- May 2019.
- **Assistant professor**, College of pharmacy, Hail University, Hail, KSA, Sep. 2014- May 2019.
- **Program coordinator of clinical pharmacy program**, Faculty of Pharmacy, Minia University, Minia, Egypt, Sep. 2013- Sep. 2014.
- **Executive director** of Molecular biotechnology unit, Faculty of Pharmacy, Minia University, Minia, Egypt, Jan. 2012- Sep. 2013.

<b>Career History</b>	<ul style="list-style-type: none"> <li>• <b>Training program coordinator</b> for clinical pharmacy students, Faculty of Pharmacy, Minia University, Minia, Egypt, Sep. 2012- Sep. 2013.</li> <li>• <b>Lecturer</b>, Faculty of pharmacy, Minia University, Minia, Egypt, Sep. 2011- present.</li> <li>• <b>Teaching assistant</b>, Faculty of pharmacy, Minia University, Egypt, Sep. 2002- Sep. 2011.</li> </ul>		
<b>Teaching experience</b>	<ul style="list-style-type: none"> <li>• Course coordinator of general microbiology and immunology for pharmacy students, Minia University, Egypt and Pharm. D. students, Hail University, KSA.</li> <li>• Course coordinator of Pharmaceutical microbiology for pharmacy students, Minia University, Egypt and Pharm. D. students, Hail University, KSA.</li> <li>• Course coordinator of pharmaceutical biotechnology for pharmacy students, Minia University, Egypt and Pharm. D. students, Hail University, KSA.</li> <li>• Clinical instructor for Introductory Pharmacy Practice Experience in Pharm. D. program, Hail University, KSA.</li> <li>• Lectures for bacteriology and laboratory diagnosis for post-graduate students in faculty of pharmacy, Minia University, Minia, Egypt.</li> <li>• Lectures of virology for post-graduate students in faculty of pharmacy, Minia University, Minia, Egypt.</li> <li>• Lectures of genetic engineering and biotechnology for post-graduate students in faculty of pharmacy, Minia University, Minia, Egypt.</li> </ul>		
<b>Thesis &amp; Dissertation Supervision</b>	Student Name	Degree	Thesis Title
	Eman Farouk Mohammed	PhD	Screening of antibacterial activity of some anti-inflammatory agents
	Abo Bakr Mohammed	M. Sc.	Effect of crude essential oils extracts on activities of some standard antibiotics
	Sameh Ali Gad	M. Sc.	Screening the antimicrobial activity of some lactic acid bacteria against some common pathogenic bacteria in Egypt
	Mahmoud Hashem Shawki	M. Sc.	The effect of combination of probiotics and some essential oils on some microorganisms which cause infectious diseases
<b>Licensure</b>	<ul style="list-style-type: none"> <li>• <b>Registered Pharmacist.</b></li> <li>• <b>Registered Pharmacist</b>, KSA, 2016- 2019.</li> <li>• <b>BLS provider</b>, KSA, 2016- present.</li> <li>• <b>Certified Item Author in Saudi Commission for Health Specialties</b>, KSA, 2 years starting 26/06/2018.</li> </ul>		
<b>Honors/ Awards</b>	<ul style="list-style-type: none"> <li>• <b>9<sup>th</sup> ranked in B.Sc.Pharm</b>, faculty of pharmacy, Minia University, Egypt, 2002.</li> <li>• <b>Monbukagakusho (MEXT) Scholarship</b> as research student, Master student, and Ph.D. student, 2005- 2011.</li> <li>• <b>AHPGS accreditation</b> for college of pharmacy, Hail University, Hail, KSA, April 2019 (vice dean for quality and development).</li> <li>• <b>The best vice dean for quality and development</b>, Hail University, 2018.</li> </ul>		

**Honors/  
Awards**

- **1<sup>st</sup> position in the best internal auditing mechanism competition**, Hail University, Hail, KSA, 2017.
- **The best assistant professor**, college of pharmacy, Hail University, Hail, KSA, 2016
- **3<sup>rd</sup> position in the best course files competition**, Hail University, Hail, KSA, 2016.
- **Certificate of appreciation for valuable contribution in college achievement & progression** from College of pharmacy, Hail University, Hail, KSA, 2016.
- **Certificate of appreciation for active participation in the internal auditing team of Hail University** from Deanship of Q & D, Hail University, Hail, KSA, 2016.
- **Certificate of appreciation for valuable contribution in accreditation requirements and quality practices**, from Deanship of Q & D, Hail University, Hail, KSA, 2016.
- **3<sup>rd</sup> position in the best program specification competition**, Hail University, Hail, KSA, 2015.

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**Committees**

- **Committee of education** in faculty of pharmacy, Minia University, Minia, Egypt, Oct. 2011- Sep. 2014.
- **Advisory board of clinical pharmacy program**, faculty of pharmacy, Minia University, Minia, Egypt, Sep. 2013- Sep. 2014.
- **Microbiology department council**, faculty of pharmacy, Minia University, Minia, Egypt, Oct. 2011- Sep. 2014.
- **College Council** as vice dean for quality and development, college of pharmacy, Hail University, Hail, KSA, Jan 2015- May 2019.
- **General committee for quality in Hail University** as college of pharmacy's vice dean for quality and development, Hail, KSA, Jan. 2015- May 2019.
- **Internal auditing committee**, Hail University, Hail, KSA, Sep. 2015- May 2019.
- **Committee of international accreditation**, Hail University, Hail, KSA, August 2016- May 2019.
- **Executive director** for Establishment of internal quality system "ISQP" project, college of pharmacy, Hail University, Hail, KSA, Oct. 2015- Oct. 2017.
- **Pharmaceutics department council**, college of pharmacy, Hail University, Hail, KSA, April 2015- May 2019.
- **Committee for Program Development and Study Planning**, college of pharmacy, Hail University, Hail, KSA, April 2015- May 2019.
- **Committee for education**, college of pharmacy, Hail University, Hail, KSA, Oct. 2015- Dec. 2018.
- **Committee for auditing the academic references standard**, college of pharmacy, Hail University, Hail, KSA, Sep. 2015- June 2016.
- **Committee of Grievances and Complaints**, college of pharmacy, Hail University, Hail, KSA, April 2015- Dec. 2018.

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- Committees**
- **Committee of exams**, college of pharmacy, Hail University, Hail, KSA, April 2015- Dec. 2018.
  - **College self-evaluation standards committee**, college of pharmacy, Hail University, Hail, KSA, Oct. 2014- May 2019.
  - **Committee for scientific research**, college of pharmacy, Hail University, Hail, KSA, Sep. 2016- Dec. 2018.
  - **Committee for the international accreditation from ASIC**, college of pharmacy, Hail University, Hail, KSA, Dec. 2016- May 2017.
  - **Executive committee for preparing institutional self-study report of Hail University**, Hail University, Hail, KSA, Dec. 2018- May 2019.
  - **Exit exam committee**, college of pharmacy, Hail University, Hail, KSA, Sep. 2017- Dec. 2018.
  - **Committee of international accreditation**, college of pharmacy, Hail University, Hail, KSA, Oct. 2018- April 2019.
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- Training course/workshops**
- **Item-Author workshop**  
Saudi Commission for Health Specialties, Jeddah Branch, April 2018.
  - **ACPE Certification Workshop**  
Accreditation Council for Pharmacy Education (ACPE) in collaboration with King Saud University, Riyadh, KSA, October 2017.
  - **Preparing and qualifying internal auditors**  
Q & accreditation dep. & training & skills development dep., Deanship of Q & D, Hail University, Hail, KSA, Nov. 2016.
  - **Cardiopulmonary resuscitation “CPR”**  
Saudi heart association & national CPR committee, Hail, KSA, Aug. 2016.
  - **Measuring intended learning outcomes of the course.** Deanship of Q & D, Hail University, Hail, KSA, Jan, 2016.
  - **International accreditation requirements**  
Q & accreditation dep. & training & skills development dep., Deanship of Q & D, Hail University, Hail, KSA, Dec. 2015.
  - **Local accreditation requirements**  
Q & accreditation dep. & training & skills development dep., Deanship of Q & D, Hail University, Hail, KSA, Nov. 2015.
  - **Preparing and qualifying internal auditors**  
Q & accreditation dep. & training & skills development dep., Deanship of Q & D, Hail University, Hail, KSA, Oct. 2015.
  - **Strategic planning in Saudi universities in accordance with the requirements of knowledge society.**  
Strategic planning department, Deanship of Q & D, Hail University, Dec. 2014.
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- Language proficiency**
- English: Excellent speaking, listening, reading and writing.
  - Arabic: mother tongue.
  - Japanese: basic.
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- Computer skills**
- Microsoft office applications
  - Photoshop

- Membership**
- Minia and Egyptian Pharmaceutical Syndicate.
  - Saudi Heart Association
  - Japan Society for Biotechnology
  - American Society of Microbiology
  - Japan Society for Environmental Biotechnology.

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- Professional skills**
- Gene cloning techniques.
  - Protein purification and identification techniques.
  - Phage display technique.
  - Isolation and identification of bacterial strains, bacterial peptidoglycan and bacterial endotoxins.
  - Isolation, purification and detection of extracellular vesicles (mammalian and bacterial).
  - Familiarity with SDS-PAGE, AKTA® purification system FPLC, Western blotting, Agarose gel, gel documentation system, UV-Vis Spectrometers, DNA sequencers, PCR, Fluorescence microscope, Limulus reaction, Lumitester, ELISA reader, Confocal microscope.

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- Publications**
- 1- **Abo Bakr F. Ahmed**, Kanako Noguchi, Yasuo Asami, Kazutaka Nomura, Hiroya Fujii, Minoru Sakata, Akihiko Tokita, Kenichi Noda and Akio Kuroda (2007): Evaluation of cell wall binding domain of *Staphylococcus aureus* autolysin as affinity reagent for bacteria and its application to bacterial detection. *Journal of Bioscience and Bioengineering*, 104, 55-61
  - 2- Kenichi Noda, Hitoshi Goto, Yuji Murakami, **Abo Bakr F. Ahmed** and Akio Kuroda (2010): Endotoxin assay by bioluminescence using mutant firefly luciferase. *Analytical biochemistry*, 397, 152-155
  - 3- Gamal F. M. Gad, Ahmed R. El-Adawy, Mohammed S. Mohammed, **Abobakr F. Ahmed** and Heba A. Mohamed (2014): Evaluation of different diagnostic methods of bacterial vaginosis. *IOSR Journal of Dental and Medical Sciences*, 13 (1), 15-23
  - 4- Abobakr M. Mahmoud, Rehab Mahmoud Abd El-Baky, **Abo Bakr F Ahmed**, and Gamal Fadl Mahmoud Gad (2016): Antibacterial Activity of Essential Oils and in Combination with Some Standard Antimicrobials against Different Pathogens Isolated from Some Clinical Specimens. *American Journal of Microbiological Research*, 4 (1), 16-25.
  - 5- Sameh Ali Gad, Rehab Mahmoud Abd El-Baky, **Abo Bakr F Ahmed** and Gamal Fadl Mahmoud Gad (2016): In Vitro Evaluation of probiotic potential of five lactic acid bacteria and their antimicrobial activity against some enteric and food-borne pathogens. *African Journal of Microbiology Research*, 10 (12), 400-409.
  - 6- Eman Farouk Ahmed, Rehab Mahmoud Abd El-Baky, **Abo Bakr F Ahmed**, Nancy Gameel Fawzy, Neveen Abdel Aziz and Gamal Fadl Mahmoud Gad (2016): Evaluation of antibacterial activity of some nonsteroidal anti-inflammatory drugs against *Escherichia coli* causing urinary tract infection. *African Journal of Microbiology Research*, 10 (34), 1408-1416.
  - 7- Eman Farouk Ahmed, Rehab Mahmoud Abd El-Baky, **Abo Bakr F Ahmed**, Nancy Gameel Fawzy, Neveen Abdel Aziz and Gamal Fadl Mahmoud Gad (2017): Antibacterial Activity of Some Non-steroidal Anti-inflammatory Drugs against Bacteria Causing Urinary Tract Infection. *American Journal of Microbiological Research*, 5 (1), 66-73.

- 8- Syed Mohd Danish Rizvia, Talib Hussain, **Abobakr Fathy Ahmed**, Thamir M. Alshammari, Afrasim Moin, Mohammed Qumani Ahmed, George E. Barretoe, Mohammad Ajmal Kamalg and Ghulam Md Ashrafi (2018): Gold nanoparticles: A plausible tool to combat neurological bacterial infections in humans. *Biomedicine and pharmacotherapy*, 107, 7-18.
- 9- Aisha Khatoon, Farheen Khan, Nabeel Ahmad, Sibhghatulla Shaikh, Syed Mohd. Danish Rizvi, Shazi Shakil, Mohammad H. Al-Qahtanie, Adel M. Abuzenadah, Shams Tabrez, **Abobakr Fathy Ahmed**, Ahmed Alafnan, Hayatul Islam Danish Iqbal and Rajiv Dutta (2018): Silver nanoparticles from leaf extract of Menthapiperita: Eco-friendly synthesis and effect on acetylcholinesterase activity. *Life Sci*, 209, 430-434.
- 10- Syed Mohd. Danish Rizvi, Abdulaziz Arif A. Alshammari, Waleed Abdullah Almawkaa, **Abobakr F. Ahmed**, Ahmed Katamesh, Ahmed Alafnan, Tariq J. Almutairi and Rakan F. Alshammari (2019): An oncoinformatics study to predict the inhibitory potential of recent FDA-approved anti-cancer drugs against human Polo-like kinase 1 enzyme: a step towards dual-target cancer medication. *3 Biotech*, 9:70.
- 11- Mahmoud S. Hashem, **Abobakr F. Ahmed**, Wael Soliman and Gamal Fadl M. Gad (2019): Combinatorial effect of probiotics and some medicinal oils on pathogenic bacteria. *J. Adv. Biomed. & Pharm. Sci.* 2, 121-128.

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**Conferences**

1. **Abobakr Ahmed**, Yasuo Asami, Ryuichi Hirota, kenishi Noda, and Akio kuroda. (2007) detection of bacteria using a cell wall binding domain of autolysin: 59<sup>th</sup> annual meeting of Japan Society for Biotechnology (JSB)
2. **Abobakr F. Ahmed**, Ryuichi Hirota and Akio Kuroda (2008) Evaluation of cell wall binding domain of autolysin as an affinity reagent for bacteria: annual meeting of Japan Society for Environmental Biotechnology (JSEB)
3. *1<sup>st</sup> ASEB Symposium on Environmental Biotechnology in Asia*, Asian Society for Environmental Biotechnology (ASEB). Tsukuba, Japan
4. Rehab M. Abd El-Baky, **Abobakr F. Ahmed**, Abo Bakr M. Mahmoud, Gamal F. Mahmoud Gad (2014) Antimicrobial activity of essential oils alone and in combination with some standard antimicrobials against different pathogens isolated from some infectious diseases: 6<sup>th</sup> International Conference on Drug Discovery and Therapy. Dubai, UAE
5. Abdulaziz Arif A. Alshammari, Waleed Abdullah Almawkaa, Syed Mohd. Danish Rizvi, **Abobakr F. Ahmed**, Ahmed Katamesh (2019) Predicting inhibition efficacy of recently approved breast cancer drugs against Polo- like Kinase 1 enzyme: a plausible dual-targeting approach for better oncotherapy: Dubai International Pharmaceutical & Technology Conference & Exhibition. Dubai, UAE

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**Reviewer**

- 1- Bulletin of Pharmaceutical Science (Assiut University).
  - 2- Saudi Pharmaceutical Journal
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**References**

- 1- **Prof. Akio Kuroda**, Professor, Molecular Biotechnology, Hiroshima University, Japan, (+81)82-424-7758, [akuroda@hiroshima-u.ac.jp](mailto:akuroda@hiroshima-u.ac.jp)
  - 2- **Prof. Gamal Fadi Mahmoud**, Professor and ex. Dean of Faculty of Pharmacy, Minia University, Egypt, (+20) 1001238212, [gfmgad2005@yahoo.com](mailto:gfmgad2005@yahoo.com)
  - 3- **Prof. Ezzat Abdelmoety**, ex. HoD of analytical chemistry department college of pharmacy, Cairo University & ex. vice-dean of academic affairs college of pharmacy, Hail University, KSA, (+20) 1001523612, [eamoety@ymail.com](mailto:eamoety@ymail.com).
  - 4- **Dr. Thamir Messend Al-shammari**, Associate professor, Pharmacoepidemiology and Pharmacovigilance Consultant, Advisor to the Executive President at Saudi Food and Drug Authority & ex. Dean, College of Pharmacy, University of Hail, Hail, Saudi Arabia, (+966) 505192886, [thamer.alshammary@gmail.com](mailto:thamer.alshammary@gmail.com)  
**Dr. Ryuichi Hirota**, Associate Professor, Molecular Biotechnology, Hiroshima University, Japan, [hirota@hiroshima-u.ac.jp](mailto:hirota@hiroshima-u.ac.jp).
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- **All evidences and documents are available upon request**