

Curriculum Vitae

Name: Rania Abdelmonem Mostafa Khattab
Title: Professor Dr.
Department: Microbiology & Immunology
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Education

- Bachelor:

Bachelor's degree in pharmaceutical sciences. Faculty of Pharmacy, Cairo University, May 1999. Excellent with Honor.

- Master:

Master Degree in Microbiology & Immunology, Faculty of Pharmacy, Cairo University, 2009.

- Ph.D.:

Ph.D. Degree in Microbiology & Immunology, Faculty of Pharmacy, Cairo University, 2012.

Academic Degrees:

- Teaching assistant:

Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 1999-2009.

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- Assistant lecturer:

Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2009-2012.

- Lecturer:

Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2012- 2017.

- Associate Professor:

Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2017- 2022.

- Professor:

Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2023- present.

• Research interest

I am interested in clinical microbiology, medical microbiology and applied microbiology. My research work covers many areas such as eye infections, vaginal infections, liver diseases and antimicrobial resistance.

Teaching

	Course Title
Undergraduate Courses (General Program)	404 Pharmaceutical Microbiology.
	406 Biotechnology.
	405 Public Health.
	403 Medical Microbiology.
	401 Pathology and Parasitology.
	4022 Basic Microbiology and Immunology.
	Choose an item.
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Undergraduate Courses (Clinical Program)	<p>PM 401 General Microbiology and Immunology. MD 710 Public Health and Preventive Medicine. PM 703 Pharmaceutical Biotechnology. PG 606 Quality Control of Herbal Drugs. MD 102 Cell Biology. PM 704 Pharmaceutical Microbiology. Choose an item. Choose an item.</p>
Postgraduate Courses	<p>Infection control course in Hospital Pharmacy diploma, (1418). Basic microbiology course in Biotechnology diploma, (1408). Microbiological quality control in Cosmetics diploma, (1421).</p>

Career History and Professional Experience:

Titles

- Teaching assistant at Faculty of pharmacy, Cairo University, Microbiology and Immunology Department, 1999-2009.
- Assistant lecturer at Faculty of pharmacy, Cairo University, Microbiology and Immunology Department, 2009-2012.
- Lecturer at Faculty of pharmacy, Cairo University, Microbiology and Immunology Department, 2012-2017.
- Associate Professor at Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2017- 2022.
- Professor at Faculty of Pharmacy, Cairo University, Microbiology and Immunology Department, 2023- present.

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University and community activities

1- Assistant Vice-Dean for Community Service and Environmental Development, Faculty of Pharmacy, Cairo University, for the academic year 2016-2017.

2- Organizing and preparing medical convoys to several places, the subsidiaries of Community Service and Environmental Development, Faculty of Pharmacy, Cairo University, for the academic year 2016-2017.

3- Organizing Orphan day on 4th April, 2017, the subsidiaries of Community Service and Environmental Development, Faculty of Pharmacy, Cairo University.

4- Supervising the cafeteria, Faculty of Pharmacy, Cairo University, from 2016 to 2019.

5- Member of the committee of crisis management and disaster, Faculty of Pharmacy, Cairo University, for the academic year 2016-2017.

University and community activities

6- Member of the committee of maintenance, the subsidiaries of Community Service and Environmental Development, Faculty of Pharmacy, Cairo University, from 2015 to 2017.

7- Member of the Glass and Chemicals Inventory Committee, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, from 2014 to 2019.

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8- Member of the Glass and Chemicals Examination Committee, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, from 2013 to 2016 and 2019-2020.

9- Member of the Envelopes Opening Committee. Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, from 2018 to 2020.

10- Participate in the preparation of the annual reports of the various courses entrusted with teaching at Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University.

11- Member of the Anti-Corruption Committee, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, for the academic year 2021-2022.

12- General Supervisor of practical of second semester, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, for the academic year 2021-2022.

13- Member of the library committee, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, for the academic year 2022-2023.

14- Member of the faculty members Club - Cairo University.

University and community activities

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Quality assurance

1- Quality coordinator for undergraduate courses, clinical pharmacy and postgraduate courses, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, for the academic year 2020-2021.

2- Member of committee dealing with the beneficiaries, unity of performance evaluation and quality assurance, Faculty of Pharmacy, Cairo University, from 2016 to 2019.

3- Participate in the preparation of the annual report of Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University, for the academic year 2018-2019.

4- Preparation of course specs and course reports for various courses assigned to teach at Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University.

5- Member of standards committee, unity of performance evaluation and quality assurance, Faculty of Pharmacy, Cairo University, for the academic year 2016-2017.

6- Writing and preparing the criterion of community participation and environmental development, Faculty of Pharmacy, Cairo University, for the academic year 2015-2016.

7- Member of the Committee to follow up the implementation and preparation of the report of the annual plan of implementation of the strategic plan of the Faculty (2015 - 2020), unity of

Quality assurance

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performance evaluation and quality assurance, Faculty of Pharmacy, Cairo University, from 2015 to 2017.

8- Preparation of the annual report on community service and environmental development, Faculty of Pharmacy, Cairo University, for the academic year 2015-2016.

Awards and Certificates of Appreciation

1- Certificate of thanks and appreciation in the 9th International Scientific Conference of Faculty of Pharmacy, Cairo University from unity of performance evaluation and quality assurance, Faculty of Pharmacy, Cairo University 2018 for the outstanding participation in the committees of Performance Appraisal and Quality Assurance Unit during 2016-2017 academic year.

2- Ideal mother award, Faculty of Pharmacy, Cairo University 2018.

3- Cairo University International Publication Award, EGYPT, June 2013, July 2016 and July 2017, November 2019, 2020, 2021 and 2022.

4- Certificate of thanks and appreciation from the Community Service and Environmental Development department, Faculty of Pharmacy - Cairo University to follow up maintenance work in the Department of Microbiology and Immunology during the 2015-2016 academic year.

5- Congratulations from Cairo University for being appointed to the position of Assistant Professor in the Department of

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Awards and Certificates of Appreciation

Microbiology and Immunology, Faculty of Pharmacy, Cairo University.

6- Certificate of thanks and appreciation from the Faculty of Pharmacy - Cairo University in the second week of excellence.

7- Certificate of thanks and appreciation from the Faculty of Pharmacy - Cairo University in the fourth week of excellence.

8 - Certificate of congratulation and appreciation from the family of the faculty members club Cairo University for appointment Lecturer in the Department of Microbiology and Immunology Faculty of Pharmacy - Cairo University.

Publications and Conferences:

I- Publications:

1- Fatma Amer, Monkez M. Yousif, Heba Mohtady, **Rania A. Khattab**, Ergenekon Garagozd, Khan F. M. Ayaz and Noha M. Hammad. Surveillance and impact of occult hepatitis B virus, SEN virus, and Torque teno virus in Egyptian hemodialysis patients with chronic hepatitis C virus infection. *International Journal of Infectious Diseases*. 2020; 92:13-18. doi: 10.1016/j.ijid.2019.12.011. PMID: 31863879.

2- **Rania Abdelmonem Khattab**, Noha A. Ahmed, Yasser M. Ragab, Salwa A. Rasmy. Bacteria producing antimicrobials against *Clostridium difficile* isolated from human stool. *Anaerobe*. 2020; 63:102206. doi: 10.1016/j.anaerobe.2020.102206. PMID: 32339663.

3- Reham Alaa Eldin Shaker, Yosra Ibrahim Nagy, Mina E. Adly, **Rania Abdelmonem Khattab**, Yasser M. Ragab. *Acinetobacter baumannii*, *Klebsiella pneumoniae* and *Elizabethkingia miricola* isolated from wastewater have biodegradable activity against

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fluoroquinolone. *World Journal of Microbiology and Biotechnology*. 2022; 38 (187): 1-15. DOI: 10.1007/s11274-022-03367-5. PMID: 35972564. PMCID: PMC9381475.

4- Rana Elshimy, Hamdallah Zedan, Tarek H Elmorsy, **Rania Abdelmonem Khattab**. A Study on Multidrug-Resistant *Escherichia coli* Clinical Isolates from Different Hospitals in Greater Cairo. *Microbial Drug Resistance*. 2021; 27(10):1420-1432. doi: 10.1089/mdr.2020.0521. PMID: 34042527.

5- Eman A. Mustafa, Abd El Gawad Hashem, Hala N. Elhifnawi, Hanady G. Nada and **Rania A. Khattab**. One-pot biosynthesis of silver nanoparticles with potential antimicrobial and antibiofilm efficiency against otitis media-causing pathogens. *European Journal of Clinical Microbiology and Infectious Diseases*. 2021; 40(1):49-58. doi: 10.1007/s10096-020-03920-w. PMID: 32729058.

6- Amal Ahmed Mohamed, Eman R. Abd Almonaem, Amira I. Mansour, HebatAllah Fadel Algebaly, **Rania Abdelmonem Khattab**, Yasmine S. El Abd. Importance of studying the levels of hepcidin and vitamin D in Egyptian children with chronic hepatitis C. *Journal of Translational Internal Medicine*. 2019; 7(1):15–21. doi: 10.2478/jtim-2019-0004. PMCID: PMC6463826. PMID: 30997352.

7- Hanan M. Fouad, Amal Ahmed, Ehab Mahfouz Reyad, Sanaa Mohammed ElSadek, **Rania Abdelmonem Khattab**, Dalia Ali El Damasy. Hepatitis D virus seroprevalence in Egyptian HBsAg-positive children: a single-center study. *Archives of Virology*. 2020; 165(10):2361-2365. doi: 10.1007/s00705-020-04757-6. PMID: 32743697.

8- Hala S. Helal, Amro Hanora, **Rania Abdelmonem Khattab**, Hayam Hamouda and Hamdallah Zedan. Mining of Egypt's Red Sea invertebrates for potential bioactive producers. *Biotechnology Letters*. 2018; 40(11-12):1519-1530. doi: 10.1007/s10529-018-2600-x. PMID: 30120645.

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9- Alaa El-Dien Shawky Hosny, Zeinab El-Demerdash El-Bazza, Mohammed Abdelhalim Ramadan, Maha Ahmed Shafik, Mahmoud Ahmed Shafeek, **Rania Abdelmonem Khattab**. Expression levels of pro-inflammatory interleukin-8 and certain antimicrobial peptides in concurrent with bacterial conjunctivitis. *International Journal of Ophthalmology*. 2021; 14(5):666-675. doi: 10.18240/ijo.2021.05.05. PMID: 34012880. PMCID: PMC8077019.

10- Amal Ahmed Mohamed, Sabry Abdo, Ebada Said, Waleed El Agawy, Peter Awad, Ayat Ibrahim Mohamed Ghanem, **Rania Abdelmonem Khattab**, Dalia Ali El-damasy, Mahmoud Elkadeem, Sherief Abd-Elsalam. Serum vitamin D levels in chronic hepatitis B patients before and during treatment. *Infectious Disorders - Drug Targets*. 2020; 20(6):840-847. doi: 10.2174/1871526519666191112112903. PMID: 31721718.

11- Amal A Mohamed, Mohamed Abdelhamid, Naglaa El-Toukhy, Ahmed Sabry, **Rania Abdelmonem Khattab**, Dalia Ali El-Damasy, Abeer Ahmed, Mahmoud Elkadeem, Sherief Abd-Elsalam. Predictive and prognostic value of ascitic fluid mannose-binding lectin in patients with spontaneous bacterial peritonitis. *Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry*. 2021; 20(2):196-200. doi: 10.2174/1871523019666200617132513. PMID: 32552645.

12- Amal A. Mohamed, Yousry Esam-Eldin Abo-Amer, Amyan Aalkhalegy, Lamiaa Abdelfattah Fathalla, Mostafa Bedair Elmaghraby, Mohamed Mahmoud Elhoseeny, Sahar Mohamed Mostafa, Mohamed El-Abgeegy, **Rania Abdelmonem Khattab**, Dalia Ali El-damasy, Wafaa Salah, Abeer Mohammed Salem, Wael Mohamed Elmashad, Mohamed Elbahnasawy, Sherief Abd-Elsalam. COL1A1 Gene Expression in Hepatitis B Virus (HBV) Related Hepatocellular Carcinoma (HCC) Egyptian's Patients. *The open biomarkers journal*. 2021; 11:108-114. doi: 10.2174/1875318302111010108.

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13- Amal Ahmed Mohamed, Gehan Lotfy Abdel Hakeem, Gihan Mohamed Babrs, Laila Elmorsi Abolfotoh, Nageh Mohamed Shehata, Sheren Esam Mahe, Suzan Mohamed Mousa, Ahlam Mohamed Ismail, Doaa Ezzat, Ahmed G.K. Habib, Doaa M. Ghaith, Naglaa Fawazy, **Rania A. Khattab**, Eman El Sayed Habib, Dalia M. Abd El-Hassib, Sherief Abd-Elsalam, Dalia Ali El-damasy. Epidermal Growth Factor Rs4444903 A>G Gene Polymorphism Association with Chronic Hepatitis B Liver Disease Progression among Egyptian Children: A Multicenter Study. *The Open Biomarkers Journal*. 2021; 11:63-68. doi: 10.2174/1875318302111010063.

14- Amal A. Mohamed, Sherief Abd-Elsalam, Mariam Zaghloul, Mohamed Attala, **Rania A. Khattab**, Amir Khater, Dalia A. El-damasy, Eman El-Sayed, Soha Hassanin, Nehad Hawash and Mohmoud R. Mohamed. Association between Human Leukocyte Antigen-DQ Polymorphisms and Treatment Response in Chronic Hepatitis B Egyptian Population: A Prospective Study. *The Open Biomarkers Journal*. 2020; 10:55-59. doi: 10.2174/1875318302010010055.

15- Eman A. Mustafa, Hanady G. Nada, Hala N. Elhifnawi1, Abd El Gawad Hashem, and **Rania A. Khattab**. *In vitro* Enhancement of Ciprofloxacin, Tobramycin, and Nystatin Activity by Irradiated Aqueous Garlic Extract Against Multidrug-Resistant Pathogens Causing Otitis Media. *Arab Journal of Nuclear Sciences and Applications*. 2022; 55 (1):132-146. doi: 10.21608/AJNSA.2021.84019.1484.

16- **Rania Abdelmonem Khattab**, Maha Abdelfattah, Iman Fahmy. Study of the resistance pattern and alteration in the conjunctival flora of patients exposed to repeated antibiotics. *International Eye Science*. 2019; 19(11):1828-1833. doi:10.3980 / j.issn.1672-5123.2019.11.03.

17- Amal A. Mohamed, Nouran Mohamed, Seham Mohamoud, Fawkia E. Zahran, **Rania Abdelmonem Khattab**, Dalia Ali El-Damasy, Eman Alsayed, Sherief Abd-Elsalam.

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SARS-CoV-2: The path of prevention and control. *Infectious Disorders - Drug Targets*. 2021; 21(3):358-362. doi: 10.2174/1871526520666200520112848. PMID: 32433010.

18- Rana Elshimy, **Rania Abdelmonem Khattab**, Hamdallah Zedan, Alaa El-Din Shawky Hosny and Tarek H. Elmorsy. Study on prevalence and genetic discrimination of methicillin-resistant *Staphylococcus aureus* (MRSA) in Egyptian hospitals. *African Journal of Microbiology Research*. 2018; 12(27):629-646. doi: 10.5897/AJMR2017.8742.

19- Alaa El-Din Shawky Hosny, Mohamed Reda Diab, **Rania Abdelmonem Khattab**, Heba Osama Awad. Immune response to Vi polysaccharide, heat-killed whole cells, and outer membrane protein of *Salmonella typhi*. *Journal of Infection in Developing Countries*. 2015; 9(6):642-649. doi:10.3855/jidc.6504. PMID: 26142675.

20- Amal Mohamed Ahmed, Maha Abdel Ghany, Gehan Lotfy Abdel Hakeem, Aya Kamal, **Rania Khattab**, Asmaa Abdalla, Laila El Morsi Abou El Fotoh, Abdel Azeem El Mazary, Madiha Abdalla Sayed and Ashraf Mohamed Abdel Fadil. Assessment of Vitamin D status in a group of Egyptian children with non alcoholic fatty liver disease (multicenter study). *Nutrition and Metabolism*, pp.1-6, 2016. doi: 10.1186/s12986-016-0112-z. PMID: 27547235 PMCID: PMC4992322.

21- **Rania Abdelmonem Khattab**, Maha Mohssen Abdelfattah. Study of the prevalence and association of ocular chlamydial conjunctivitis in women with genital infection by *Chlamydia trachomatis*, *Mycoplasma genitalium* and *Candida albicans* attending outpatient clinic. *International Journal of Ophthalmology*, vol. 9, issue 8, pp. 1176-1186, 2016. doi: 10.18240/ijo.2016.08.15. PMID: 27588273 PMCID: PMC4990584.

22- Maha Mohssen Abdelfattah, **Rania Abdelmonem Khattab**, Magda H. Mahran, Ebrahim S. Elborgy. Evaluation of patients with dry eye disease for conjunctival *Chlamydia trachomatis* and *Ureaplasma urealyticum*. *International Journal of*

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Ophthalmology. 2016; 9(10):1457-1465. doi: 10.18240/ijo.2016.10.15.
PMID: 27803864 PMCID: PMC5075662.

23- **Rania Abdelmonem Khattab**, Alaa El-Din Shawky Hosny, Mostafa Ali Abdelkawy, Rania Hassan Fahmy and Nariman Alaa El Menoufy. Anti-HSV type-1 activity of olive leaves extract crude form acting as a microemulsion dosage form. *African Journal of Microbiology Research*, vol. 10, issue 22, pp. 820-828, 2016. doi:10.5897/AJMR2016.7972.

24- Amal Ahmed Mohamed, Khadiga K. El Gohary, Ghada Mohamed El Mashad, Ghada Ezat Hammada, Asmaa Mahmoud Abdallah, **Rania A. Khattab** and Nahla S. Kotb. Interleukin 10, thyroid status and ferritin are non-invasive prognostic biomarkers for diagnosis of fatty liver disease in children. *Journal of International Research in Medical and Pharmaceutical Sciences*. 8(2): 85-93, 2016 ISSN: 2395-4477 (P), ISSN: 2395-4485(O).

25- **Rania A. Khattab** and Maha M. Abdelfattah. Incidence of postoperative endophthalmitis and the potential of marine sponges as new sources of antibiotics in Egypt. *International Journal of Current Microbiology and Applied Sciences*. (2014) 3(9) 516-529. ISSN: 2319-7706.

26- Maha G. Haggag, Maha M. Abdelfattah and **Rania A. Khattab**. Assessment of minimal inhibitory concentration (MIC) by E test of ocular antibiotics used for treatment of patients with keratitis and postoperative ocular infections. *World Journal of Medical Sciences*. 10 (4): 514-521, 2014 ISSN 1817-3055 © IDOSI Publications, 2014 doi: 10.5829/idosi.wjms.2014.10.4.95275.

27- **Rania Abdelmonem Khattab**, Geraldine Mohamed Ahmed, Hany Samy Sadek and Yasser Mohamed Abd El Aziz. Effect of combination of calcium hydroxide and 2% chlorhexidine gel as intracanal medications in comparison to calcium hydroxide paste on

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postoperative pain and bacterial endotoxins in necrotic teeth. *New Egyptian Journal of Microbiology*. Vol. 46, January, 2017. ISSN: 1687-1219.

28- Asmaa E. Kassab, Ehab M. Gedawy, Zienab M. Fahmy and **Rania A. Khattab**. Design, synthesis, antitumor and antimicrobial activity of some novel 6,7-dimethoxyquinazoline derivatives. *Heterocycles*, Vol. 92, No. 2, 2016, pp. 272-290. DOI: 10.3987/COM-15-13329.

29- **Rania AbdelmonemKhattab**, Alaa El-Din Shawky Hosny and Lobna Aref Deif. Traceability of sources of contaminants of some preserved oral non sterile syrups. *Egyptian Journal of Medical Microbiology*, vol. 25, issue 2, pp. 13-16, 2016.

II- Publications abstracted from PhD thesis:

1- **Rania A. Khattab**, Salwa A. Rasmy, Yasser M. Ragab, Dalia G. Said, Maha M. Abdelfattah, Mohamed A. Shemis, Dalia M. Ezzat and Fatma Elzahraa S. Abdel Rahman. Evaluation of Polymerase Chain Reaction and Culture for the Diagnosis of Corneal Ulcer. *Life Science Journal* 2012; 9(3):746-755]. (ISSN: 1097-8135).

2- **Rania A. Khattab**, Mohamed Shafik, Salwa A. Rasmy, Dalia G. Said, Maha M. Abdelfattah and Yasser M. Ragab. A Comparative Study for the Diagnosis of Microbial Keratitis Using Different Techniques. *Journal of American Science* 2012;8(6):139144]. (ISSN: 1545-1003).

3- **Rania A. Khattab**, Mohamed Shafik, Salwa A. Rasmy, Dalia G. Said, Maha M. Abdelfattah and Yasser M. Ragab. A comparative study of direct smear versus culture techniques for the diagnosis of bacterial and fungal keratitis. **Poster in the 3rd**

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International Scientific Conference of Faculty of Pharmacy, Cairo University.
25th April, 2012.

III- Conferences:

- 1- Poster presentation at 10th Probiotics, Prebiotics & New Foods conference, September 8-10, 2019 in Rome, Italy.** Title of poster: Investigating Potential Chemoprotective Role of Pomegranate Juice Through Analyzing Its Reciprocal Interactions with the Gut Microbiota.
- 2- Oral presentation at 4th International Conference on Food Microbiology and Food Market, March 20-21, 2019 New York, USA.** Title of talk: Food contamination and how to prevent.
- 3- Poster presentation at ASM Microbe 2018 in Atlanta, GA, USA, June 7-11, 2018.** Title of talk: Eye Microbiota Alterations in Patients with bacterial Conjunctivitis.
- 4- Poster presentation at 10th International Scientific Conference of Faculty of Pharmacy - Cairo University, July 6th – 7th, 2021.** Title of poster: Biodegradation of fluoroquinolones by microbial isolates from environmental samples in Egypt.
- 5- Poster presentation at 10th International Scientific Conference of Faculty of Pharmacy - Cairo University, July 6th – 7th, 2021.** Title of poster: Inhibition of Biofilm Formation of *Streptococcus mutans* by Dextranase Producing *Bacillus velezensis* and *Pseudomonas stutzeri* Isolated from Sugar Cane.
- 6- Poster presentation at The 5th International Conference of Genetic Engineering and Its Applications, October 3, 2019 – October 6, 2019, Hurghada City, Egypt.** Title of poster: Mining of Egypt's Red Sea microbiota for Biosynthetic Gene Clusters (PKs and NRPs).

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7- Poster presentation at 6th Euro-Mediterranean Conference of Life Sciences, Pharma and BioMedicine (BioNat-6), April 1-2, 2019 at Cairo, Egypt. Title of poster: A study on bacteria producing antimicrobials against *Clostridium difficile* isolated from human stool.

8- Poster presentation at Egyptian Fourth International Conference in Chemistry, 24th Egyptian Conference in Chemistry, “Innovation in Chemistry and Future Life”, 11-14 December 2018, Marsa Alam. Title of poster: Mining Red Sea microbiota for antimicrobial activity and their potential application in nanoparticles-based combinations.

9- Poster presentation at 2nd conference of scientific research in pharmacy “Future Insight”, March 11-12, 2019 at Nahda University in Beni Suef, Egypt. Title of poster: Characterization of Microbial Dextranases and Its Potential in Prevention of Dental Caries.

10- Oral presenter in 14th World Pediatrics and Neonatal Healthcare Conference, Los Angeles, California, USA, 11-12 September 2017. Title of talk: Common bacterial infections among children.

11- Poster presentation in UT-KBRIN Bioinformatics Summit, Burns, Tennessee, USA, 21-23 April 2017. Title of poster: Role of the human eye microbiome in development of conjunctivitis.

12- Poster presentation in 4th FUE International Conference of Pharmaceutical Sciences (4th FUE-ICPS) of Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University in Egypt. Jan 31st- Feb 2nd, 2017. Title of poster: Study on prevalence and genetic discrimination of MRSA in Egyptian hospitals.

13-Poster presenter in 3rd Global Microbiologists Annual Meeting, Portland, Oregon, USA, 15-17 August 2016. Title of poster: Aflatoxin M1 binding by dairy strains of lactic acid bacteria.

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14- Poster presentation in NGS Genome Annotation Conference, 4-6 April 2016, Barcelona, Spain. Title of poster: An insides job: role of the human eye microbiome in development of conjunctivitis.

15- Oral presenter and co-chairing in International Conference on Clinical Trials, July 27-29, 2015, Orlando-FL, USA. Title of poster: A study of the prevalence and association of ocular chlamydial conjunctivitis in women with genital infection by *Chlamydia trachomatis*, *Mycoplasma genitalium* and *Candida albicans* attending outpatient clinic in Egypt.

16- Oral presenter and co-chairing in International Conference on Clinical Trials, July 27-29, 2015, Orlando-FL, USA. Title of poster: Evaluation of patients with dry eye disease for the presence of conjunctival *Chlamydia trachomatis* and *Ureaplasma urealyticum* infection.

17- Oral presenter and co-chairing in International Conference on Clinical Trials, July 27-29, 2015, Orlando-FL, USA. Title of poster: Assessment of minimal inhibitory concentration (MIC) by E test of ocular antibiotics used for treatment of patients with keratitis and postoperative ocular infections.

18- Poster presenter in Global Biotechnology Congress, Boston, MA, USA, 16-19 June 2014. Title of poster: Incidence of postoperative endophthalmitis and the potential of marine sponges as new sources of antibiotics in Egypt.

19- Poster presenter in 6th International Scientific Conference of Faculty of Pharmacy, Cairo University. 2020 vision of Pharmacy in Egypt. April 25th-26th, 2015. Title of poster: A comparative study of diversity and antibiotic resistance of cultured bacteria isolated from infected and uninfected eyes of Egyptian patients diagnosed with bacterial conjunctivitis.

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20- Poster presenter in 6th International Scientific Conference of Faculty of Pharmacy, Cairo University. 2020 vision of Pharmacy in Egypt. April 25th-26th, 2015. Title of poster: Anti-HSV type-1 activity of olive leaves extract crude form acting as a microemulsion dosage form.

21- Poster presenter in the 4th International Scientific Conference of Faculty of Pharmacy, Cairo University. 24th April, 2013. Title of poster: A study on the production of glycocalyx by corneal isolates in Egypt.

22- Poster presenter in the 3rd International Scientific Conference of Faculty of Pharmacy, Cairo University. 25th April, 2012. Title of poster: A comparative study of direct smear versus culture techniques for the diagnosis of bacterial and fungal keratitis.

Workshops:

- 1- Attending the Mobile applications course, (FDTC) 25-26 May 2022.
- 2- Attending online course of “Preparation of the test item for the medical sector”, within the implementation plan of the national system for electronic exams, 29-5-2021.
- 3- Attending online course of “Explanation of the bylaw of the thirteenth session of the faculty promotion in Egyptian universities”, 5-1-2021.
- 4- Attending Accreditation and self-evaluation course for higher education institutions, 22-10-2020.
- 5- Attending online “Blackboard Teaching Readiness Webinar”, 12-13 October 2020.
- 6- Attending a workshop on Awareness of course description and NARS 2017, 15-9-2020. Performance evaluation and quality assurance unit. PAQU.
- 7- Training on how to use interactive screens in the educational process, 8 and 9 July 2020.

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8-Workshop of course specs and course reports, 19-11-2014.

9- Workshop of Project Management (DAAD) (KairoAkademic), 4 -11-2014.

10- Workshop of Understanding learning process (DAAD) (KairoAkademic), 17- 4 -2014.

11- Real Time PCR BTC-013 workshop at Biotechnology center, 27 and 28 November, 2013.