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Full Name: Reham Ali Ibrahim

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Personal Data:

- Date of Birth: 26/3/1983
- Place of Birth: El-Minya
- Religion: Moslim
- Nationality: Egyption
- Marital Status: Married with Four kinder

Language Spoken:

- Arabic: Mother Tongue.
- English: Good command of English written and spoken.

Computer Skills:

- Basic computer skills: Windows, word, excel power point and Internet.

Current job:

Associate Professor of Microbiology and Immunology - faculty of pharmacy –
Minia University – Egypt

Head of Microbiology and Immunology Department - faculty of pharmacy –
Minia University – Egypt

Educational Back-ground:

- **PHD** of Microbiology and Immunology 2013, thesis is entitled:
"Bacterial infections associated with orthopedic implants"
- The **master** degree of Microbiology and Immunology 2009, entitled:
*"Microbiological study on the microbial contamination of certain non-sterile
pharmaceutical preparations commonly used in the Egyptian market"*

- **Bachelor of Pharmaceutical Sciences** 2004, Minia University with Excellent degree with grade of honor

Teaching experiences:

- **From 06/2020 -08/2022** as Associate professor of Microbiology and Immunology department, Faculty of pharmacy, Minia University.
- **From 08/2013 -05/2020** as lecturer of Microbiology and Immunology department, Faculty of pharmacy, Minia University.
- **From 04/2009 – 07/2010** as assistant lecturer of Microbiology and Immunology department, Faculty of pharmacy, Minia University.
- **From 10/2004 – 03/2009** Demonstrator at Microbiology and Immunology department, faculty of pharmacy, Minia University.

Publications:

- 1- Ahmed, H. R., N. Waly, R. M. Abd El-Baky, R. Yahia, H. F. Hetta, A. M. Elsayed and R. A. Ibrahim (2021). "Distribution of naturally -occurring NS5B resistance-associated substitutions in Egyptian patients with chronic Hepatitis C." PLoS One 16(4): e0249770.
- 2- Masoud, S. M., R. M. Abd El-Baky, S. A. Aly and R. A. Ibrahim (2021). "Co-Existence of Certain ESBLs, MBLs and Plasmid Mediated Quinolone Resistance Genes among MDR E. coli Isolated from Different Clinical Specimens in Egypt." Antibiotics (Basel) 10(7).
- 3- Hassuna, N. A., E. Elgezawy, S. O. Mousa, R. A. AbdelAziz, R. A. Ibrahim, W. Y. A. Wahed, K. A. Nasif and E. M. Hefzy (2021). "Diagnostic value of monocyte chemoattractant Protein-1, soluble mannose receptor, Presepsin, and Procalcitonin in critically ill children admitted with suspected sepsis." BMC Pediatr 21(1)
- 4- Ibrahim, R., M. A. Raghip, M. M. Abdelwahed, N. S. Amin, E. M. Abualfadl and N. Waly (2023). "Role of some inflammasomes in rheumatoid arthritis patients in Egypt." Mol Biol Rep 50(11): 8809-8815.
- 5- Ibrahim, M. R. K., N. G. Waly, H. Moness, S. S. Ahmed and R. Ibrahim (2023). "Serum miRNA-21, miRNA-146a and plasma cell free DNA as novel biomarkers for assessing systemic lupus erythematosus activity." Mol Biol Rep 50(12): 10025-10036.
- 6- Hadiya, S., R. A. Ibrahim, R. M. Abd El-Baky, M. Elsabahy, A. M. Hussein, M. E. Tolba and S. A. Aly (2023). "Nano-ciprofloxacin/meropenem exhibit bactericidal activity against Gram-negative bacteria and rescue septic rat model." Nanomedicine (Lond) 18(22): 1553-1566.
- 7- Hassan Abd El-Ghany, S. S., A. F. Azmy, A. Osama El-Gendy, R. M. Abd El-Baky, A. Mustafa, M. A. S. Abourehab, M. E. El-Beeh and R. A. Ibrahim (2024). "Antimicrobial and Antibiofilm Activity of Monolaurin against Methicillin-Resistant Staphylococcus aureus Isolated from Wound Infections." Int J Microbiol 2024: 7518368.

- 8- Boushra, M. R., G. F. M. Gad, N. A. Hassuna, N. G. F. Waly and R. A. Ibrahim (2024). "Phenotypic and genotypic assessment of fluoroquinolones and aminoglycosides resistances in *Pseudomonas aeruginosa* collected from Minia hospitals, Egypt during COVID-19 pandemic." *BMC Infect Dis* 24(1): 763.
- 9 Maria Refaat Boushra, Reham Ali Ibrahim, Gamal Fadol Gad and Hassan Mohammed Mohi El-Din, *African Journal of Microbiology Research*, 2017, 11: 1043-1050, In vitro efficacies and durabilities of antibiotic/vitamin C coated hemodialysis catheters.
- 10 Sara M Farhan, Reham A Ibrahim, Khaled M Mahran, Helal F Hetta and Rehab M Abd El-Baky, *Infection and Drug Resistance*, 2019, 12: 2125–2133, Antimicrobial resistance pattern and molecular genetic distribution of metallo- β -lactamases producing *Pseudomonas aeruginosa* isolated from hospitals in Minia, Egypt
- 11 Noha A. Hassuna, Medhat Abdel-Fattah, Shrouk Omran, Wael M. Abd Elghany, Rasha F. Ahmed and Reham Ali Ibrahim, *African Journal of Microbiology Research*, 2019, 13: 619-625, High frequency of Torque Teno virus (TTV) among Egyptian hemodialysis patients.
- 12 Noha Anwar Hassuna, Marwa K Darwish, Mohamed Sayed and Reham Ali Ibrahim, *Infection and Drug Resistance*, 2020, 13: 285–293, Molecular Epidemiology and Mechanisms of High-Level Resistance to Meropenem and Imipenem in *Pseudomonas aeruginosa*.
- 13 Rehab M. Abd El-Baky, Sara M. Farhan, Reham A. Ibrahim, Khaled M. Mahran and Helal F. Hetta, *Alexandria Journal of Medicine*, 2020, 56: 4–13, Antimicrobial resistance pattern and molecular epidemiology of ESBL and MBL producing *Acinetobacter baumannii* isolated from hospitals in Minia, Egypt..
- 14 Ahmed Talaat Mahmoud, Mohamed Taha Salim, Reham Ali Ibrahim, Adel Gabr and Hamada Mohamed Halby, *Antibiotics*, 2020, 9: 108, Multiple Drug Resistance Patterns in Various Phylogenetic Groups of Hospital-Acquired Uropathogenic *E. coli* Isolated from Cancer Patients.
- 15 Shimaa Salah Hassan Abd El Gany, Gamal Fadol Mahmoud Gad, Suzan Omar Mousa, Reham Ali Ibrahim, *Journal of Advanced Biomedical and Pharmaceutical Sciences*, 2020, 3: 101-109, Characterization of verotoxigenic *E.coli* and enteropathogenic *E.coli* isolated from infants with diarrhea in combination with antimicrobial resistance pattern in Minia, Egypt.
- 16 Sara M. Farhan, Reham A. Ibrahim, Helal F. Hetta, Khaled M. Mahran and Rehab M. Abdelbaky, *N. Egypt. J. Microbiol.* 2018, 50: 34-43, Prevalence of OXA-23 in multidrug resistance *Acinetobacter baumannii* isolated from different infections at Minia University Hospital.
- 17 Omar H. El-Garhy and Reham A. Ibrahim, *International Journal of Pharma Sciences and Research*, 2014, 5: 1011-1017, Multicomponent Systems as Potential Economic Approach for Enhancing the Therapeutic Characteristics of an Antimycotic Drug.

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18-Gamal Fadl Mahmoud Gad, Adel Anwar Abdel Aziz and Reham Aly Ibrahim, *Journal of Applied Pharmaceutical Science*, 2012, 2: 145-149, n-vitro adhesion of Staphylococcus spp. to certain orthopedic biomaterials and expression of adhesion genes.

19-Gamal Fadl Mahmoud Gad, Adel Anwar Abdel Aziz and Reham Aly Ibrahim, *Int. Res. J. of Pharmaceuticals*, 2012, 2: 148-154, Gentamicin, Salicylate and Their Combinations as Anti-Infective Coating of Orthopedic Implants.

20-Gamal Fadl M Gad, Reham A Ibrahim Aly and Mohamed S El-din Ashour, *Tropical Journal of Pharmaceutical Research August*, 10 (2011) 437-445, Microbial Evaluation of Some Non-sterile Pharmaceutical Preparations Commonly Used in the Egyptian Market

- 21- Mahmoud, A. T., **R. A. Ibrahim**, M. T. Salim, A. Gabr and H. M. Halby (2020). "Prevalence of some virulence factors and genotyping of hospital-acquired uropathogenic Escherichia coli isolates recovered from cancer patients." J Glob Antimicrob Resist 23: 211-216.
- 22- Abd El-Baky, R. M., **R. A. Ibrahim**, D. S. Mohamed, E. F. Ahmed and Z. S. Hashem (2020). "Prevalence of Virulence Genes and Their Association with Antimicrobial Resistance Among Pathogenic E. coli Isolated from Egyptian Patients with Different Clinical Infections." Infect Drug Resist 13: 1221-1236.
- 23- Abd El-Baky, R. M., Senosy, E. M., Omara, W., D. S. Mohamed and R. A. Ibrahim (2020). "The Impact of the Implementation of Culture-based Antibiotic Policy on the Incidence of Nosocomial Infections in Neonates Hospitalized in Neonatal Intensive Care Unit in a General Egyptian Hospital in Upper Egypt, 2016-2018". Journal of Pure and Applied Microbiology 14(3):1879-1892
- 24- Ahmed, H. R., N. Waly, R. M. Abd El-Baky, R. Yahia, H. F. Hetta, A. M. Elsayed and **R. A. Ibrahim** (2021). "Association of Hepatitis C viral load with liver functions and risk factors among HCV patients, Minia governorate, Egypt" Novel Research in Microbiology Journal 5(1):1118-1131
- 25- Hamed, N., Aya Allah T. Mohamed, R. M. Abd El-Baky, **R. A. Ibrahim** (2021). "Extracellular biosynthesis of silver nanoparticles using Bacillus subtilis and their antibacterial activity against clinical bacterial species" Novel Research in Microbiology Journal 5(3):1256-1268
- 26- Hadiya, S., **R. A. Ibrahim**, R. M. Abd El-Baky, M. Elsabahy, and S. A. Aly (2022). "Nanoparticles based combined antimicrobial drug delivery system as a solution for bacterial resistance" Bulletin of Pharmaceutical Sciences Assiut 45: 1121-1141
- 27- Masoud, S. M., R. M. Abd El-Baky, S. A. Aly and **R. A. Ibrahim** (2022). "Prevalence of multidrug resistant Escherichia coli recovered from patients suffering from urinary tract infections" Novel Research in Microbiology Journal 6: 1543-1556
- 28- Hadiya, S., **R. A. Ibrahim**, R. M. Abd El-Baky, M. Elsabahy and S. A. Aly (2022). "Nanosized Combined Antimicrobial Drugs Decreased Emergence of Resistance in Escherichia coli: A Future Promise." Microb Drug Resist 28(10): 972-979.
- 29- Abdel Aziz, F. A., G. F. M. Gad, A. M. K. El Shafei, **R. A. Ibrahim** (2022). Bacterial conjunctivitis: microbiological profile and molecular characterization of Methicillin-Resistant Staphylococci isolated from Minia governorate, Egypt" Novel Research in

- 30- Ali, D. G., G. F. M. Gad, O. A. O. Ismail, **R. A. Ibrahim** (2023). "Prevalence and characterization of plasmid-mediated quinolone resistance genes in *Proteus* species isolated from different patients" *Novel Research in Microbiology Journal* 7 (3), 1966-1981
- 31- Mohamed Sabry Mahmoud N, Omar Mousa S, **Ali Ibrahim R**, A. M. Omara W, M.Ismail A.(2023). "Preparedness for an Isolation Unit during Covid - 19 Pandemic in PICU of Minia University Hospital: Practical Considerations and Outcomes". *Int J Pediatr* 11 (04):17544-17557 .
- 32- NK Mohamed, MA El-Mokhtar, **RA Ibrahim**, AM Zahran, G Fadl (2024). "T CELL EXHAUSTION: SUPREMACY IN LEUKEMIA AS FOR DISEASE AND THERAPY" *Bulletin of Pharmaceutical Sciences Assiut University* 47 (1), 449-461
- 33 Moness H, Mousa SO, Mousa SO, AdelNM, **Ibrahim RA**, Hassan EE, et al. (2024) "Thrombophilia genetic mutations and their relation to disease severity among patients with COVID-19". *PLoS ONE* 19(3): e0296668
- 34 Ghany, S., **R. A. Ibrahim**, A. O. El-Gendy, R. M. A. El-Baky, A. Mustafa and A. F. Azmy (2024). "Novel synergistic interactions between monolaurin, a mono-acyl glycerol and beta lactam antibiotics against *Staphylococcus aureus*: an in vitro study." *BMC Infect Dis* 24(1): 379.
- 35 Hassuna, N. A., N. E. Koriem, S. H. Zaki, M. Abd El Fattah, A. M. Abdelmoaty and **R. A. Ibrahim** (2024). "Predominance of blaKPC carbapenemase gene in multi-drug resistant *Pseudomonas aeruginosa* isolated from ICUs and surgical wards in Egypt." *Microbes and Infectious Diseases* 5(3): 1127-1138.
- 36 Boushra, M. R., G. F. M. Gad, N. A. Hassuna, N. G. F. Waly and **R. A. Ibrahim** (2024). "Detection of possible aminoglycosides resistance mechanisms in *Pseudomonas aeruginosa* resistant isolates" *Novel Research in Microbiology Journal* 4): 2526-2541
- 37 Shadwa Ahmed Mousa, Milad Reda, Reham Ali Ibrahim, Fatma Mohammed Mady, Safy Haidya and Hatem Sarhan (2024) "SPANLASTICS: A Unique Formulation Strategy in The Delivery of Pharmaceuticals-Carbapenems as a Model". *Journal of advanced Biomedical and Pharmaceutical Sciences* 7: 117-125
- 38 Moness, H., **R. A. Ibrahim**, S. A. Soliman, A.-S. M. Abdel-Naiem, S. M. Hafez and N. M. Abdullah (2025). "Association of cell-free DNA, micro-RNA 21, and micro-RNA 146a levels with rheumatoid arthritis activity." *Molecular Biology Reports* 52(1): 200.

Training Courses

Course Name	Date
Develop effective communication skills	2005/1/27-25
Develop effective thinking skills	2007/5/24-22
Quality standards in the teaching process	2008/7/17-15
Effective presentation	2008/7/24-22
Using technology in teaching	2007/08/30-28
Exam systems and student assessment	2011/7/25-24
Credit hour system	2011/1/12-11
Strategic Planning	2013/7/9-8

Creating websites	2017/10/26-25
Basic PowerPoint Processing	2017/10/26-25
Endnote (Reference Manager)	2015/1/14-11
University Management (L2)	8-9/10/2023
Preparing Test Items for the Medical Sector	5/5/2021
Creating Personal Websites	29-30/10/2023
Using Technology in Teaching (T1)	10-11/1/2024
Scientific Conference Organization (C3)	20-21/2/2024
Research in Global Databases and Reference Management - EndNote	24-25/3/2024
Competitive Research Projects (R3)	21-22/4/2024

Workshops

Workshop	Date
Basic Medical Bioinformatics	2016/2/16
Western Blotting	2019/3/26-27

Conferences attended:

Minia Pharmacy: Scientific conference: Future approaches in pharmaceutical science: 25-26 September 2024