

# Curriculum Vitae

## Dr. Razique Anwer

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**Current Address:** Department of Pathology, College of Medicine, Imam Mohammad Ibn Saud Islamic University, Riyadh, Kingdom of Saudi Arabia

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### Career Objective

An enthusiastic, adaptive and fast-learning person with a broad and acute interest in the research and teaching.

### Professional Qualification

#### Teaching Experience

Assistant Professor at College of Medicine, Imam University, Riyadh: (October 2013 to till date) Involved in teaching the medical students through delivering lectures, taking PBL and providing practical classes for Microbiology, Biochemistry and Molecular biology.

#### Administrative Experience

I have been a Coordinator/member of the following college/department committees concerned directly with teaching and administration:

**Year Coordinator:** 1<sup>st</sup> Year Coordinator of MBBS program at College of Medicine, Imam University, Riyadh, Saudi Arabia.

Job description: I am responsible for strategic direction, planning and leadership to the Medical Teaching Faculty also includes providing guidance and support to the 1<sup>st</sup> year medical teaching faculty, for the planning, delivery and evaluation of professional teaching & learning activities, clinical skills training, evaluations and focusing on the implementation of college and university policies.

**Course coordinator:** For the past 5+ years I have been chaired for Molecular basis of disease (MBOD) and Principle of Disease (POD1) block at College of Medicine, Imam University, Riyadh. Where I notify the members of my committee of their membership. Share with the members the responsibilities & procedures document. Periodic call for a

meeting to agree on a work plan. Preparing exam and result. Start implementing the plan & report to the Academic Affairs with the progress of the work.

**Examination committee:** Prepared, administered, and graded the final, midterm and Observed Structured Practical Examinations for all first to third-year medical students.

**Elective committee:** Notify all planners for conducting electives, update them about course guideline, prepare the students list and distribute in all elective courses.

**NCAAA (National Commission for Academic Accreditation & Assessment) committee:** Involve in the preparation of course/block specification. And end of each semester prepares the report of assigned course/block. I am also the part of KPI committee, where I do survey of each course/block every year.

**Research committee:** Actively involved in the establishment of research lab, part of research center laboratory equipment acquisition group and preparing SOPs for bioanalytical platform. In-charge of the Bioanalytical lab, where I'm responsible for LCMS, GCMS, HPLC and MALDI-TOF instruments and help in analyzing the samples.

**Course committee:** Members of various courses/blocks: POD II, Hematology, IMS (supporting coordinator), Medical Ethics in College of Medicine, Imam University, Riyadh.

**Journal Reviewer:** Actively involved in reviewing research articles from various journals like \_ RSC Advances, Heliyon Microbiology, Journal of Applied Phycology, Endocrine, Metabolic & Immune Disorders - Drug Targets (Bentham Publishing house), Biomedicine & Pharmacotherapy, Journal of Biologically Active Products from Nature, International Journal of Pharmacy and Pharmaceutical, Biocatalysis and Agricultural Biotechnology etc.

**Journal editor:**

- Current Chinese Science: Microbiology

Bentham Science Publishers

- Biochemistry and Molecular Biology (BMB)

ISSN: 2575-5064 (Print); ISSN: 2575-5048 (Online)

**Innovative Advisory Board Member:** Sciex, Germany

## **Research Experience**

***- Project undertaken***

**1. Project Title:** Using MALDI-TOF MS for rapid analysis of microorganism causing Urinary tract infections in Riyadh region.

**Grant number:** 381301

**Role:** Principal investigator funded by Deanship of Research

**2. Project Title:** Elicitation of protective immunity against multi-drug resistance *Acinetobacter baumannii* by removing inhibitory natural anti-\*\*\* antibodies.

**Role:** Co-Principal investigator funded by Ministry of Education, KSA

**- Supervise students on various projects:**

**1. Project Title:** Isolation and identification of Bacteria in mobile phones among Saudis in Riyadh, Saudi Arabia (Prof. Khalid Abdulrahman, Co-Investigator)

**Role:** Principal investigator

**2. Project Title:** Screening and characterization of different soil sources of Riyadh for antimicrobial activity against pathogenic bacteria (MRSA)

**Role:** Principal investigator

**3. Project Title:** Knowledge, Attitude, and Practice of Hand Hygiene among Clinical Year Medical Students at Imam Muhammad ibn Saud Islamic University in Riyadh, Saudi Arabia.

**Role:** Principal investigator

**4. Project Title:** Perceptions on two different modalities of conducting PBL tutorials at College of Medicine, Imam University.

**Role:** Principal investigator

**5. Project Title:** Caffeine Habits among Medical Students in Imam Muhammed ibn Saud Islamic university

**Role:** Principal investigator

**6. Project Title:** The prevalence of obsessive-compulsive disorder and obsessive-compulsive disorder symptoms among medical students

**Role:** Principal investigator

**7. Knowledge, Attitude and Practice towards Antibiotic Use among the medical students at Imam Muhammad ibn Saud Islamic University in Riyadh, Saudi Arabia.**

**Role:** Principal investigator

**- Postdoctoral Research Associate:** (January 2013 to August 2013) Metabolic Engineering group, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India

During my postdoctoral at International Centre for Genetic Engineering and

Biotechnology, New Delhi, India. I have genetically engineered the many algae in order

to get high lipid and proteins. The emphasis was on researching an improved standard in molecular designed for industrial and research purposes.

- **Project Associate:** (June 2010 to December 2011)

Major Research Project (UGC, India) in Department of Biosciences, Jamia Millia Islamia (Central Univ.), New Delhi, India

- **M.Sc. dissertation:** Amity Institute of Biotechnology, Amity University, Noida. Research Experience: Production and optimization of ethanol from sugarcane juice by using both free and immobilized *S.cerevisiae* cells.

- **M.Sc. Summer Project:** Attended at Talwar Research Foundation, Neb Valley, New Delhi-110062

Research Experience: Understanding the mechanism of Development and Extraction of Antibody cPiPP from Transgenic Tobacco Plant.

### Research collaboration

- Research collaboration with Global Burden of Disease Collaborator Network, Institute for Health Metrics and Evaluation, Seattle, Washington, USA.
- Research collaboration with School of Electronic Science and Engineering, Department of Bioengineering, University of Electronic Science and Technology of China, Chengdu, Sichuan, China.

### Educational Qualification

**Ph.D** (2009-2013) Department of Biosciences, Jamia Millia Islamia (Central Univ.), New Delhi, India..

**Masters** (2006-2008) M.Sc. Biotechnology. Amity Institute of Biotechnology, Amity University, Noida, India.

**Bachelors** (2004) B.Sc. Life Sciences. Magdh University, Bihar

### Publications

- GBD collaborators .... **Razique Anwer**, (2020) The unfulfilled promise of prevention: the global burden of 86 risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. Accepted **The Lancet** (In press)
- GBD collaborators .... **Razique Anwer**, (2020) Global burden of 369 diseases and injuries 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. Accepted **The Lancet** (In press)

- LBD Double Burden of Malnutrition Collaborators... **Razique Anwer**... (2020) Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. *Nature Medicine*. doi: 10.1038/s41591-020-0807-6.
- **Razique Anwer\***, Khalid AlQumaizi, Nazia Ahmad, Shafiul Haque, Saleh AlOsaimi, Tasneem Fatma (2020) Elucidating the interaction of glipizide with human serum albumin by using various spectroscopic techniques and molecular docking studies. *Journal of Biomolecular Structure and Dynamics* doi.org/10.1080/07391102.2019.1711195 \*corresponding author
- Faez Iqbal Khan, Dakun Lai, **Razique Anwer**, Iffat azam, Krishna Bisetty, Mohd Kalim ahmad Khan (2019) Identifying Novel Sphingosine kinase 1 Inhibitors as Therapeutics against Breast Cancer. *Journal of Enzyme Inhibition and Medicinal Chemistry*. doi.org/10.1080/14756366.2019.1692828
- Mohammad AlOmani, **Razique Anwer\***, Abdullah Attullah AlShammari, Feras Almarri, Khalid Abdulrahman (2020) User knowledge and practice of mobile phone hygiene and Identification of microorganisms: A study from Riyadh, Saudi Arabia. Under review in *Imam Journal of Applied Sciences* \*corresponding author
- Abdullah Attullah AlShammari, Waleed Mohammed Alzahrani, Abdulaziz Faisal Almuzayrie, Fay Ahmad, **Razique Anwer\*** (2019) Experience and Habit of consuming caffeine: A study from College of Medicine, Imam Mohmmad Ibn Saud Islamic University Riyadh, Saudi Arabia. *International Journal of Biology, pharmacy and Allied Sciences*. 2019, 8(8): 1517-1530 \*corresponding author
- Abdulaziz Alotaibi, Abdulrahman Algwaiz, Nawaf Alghamdi, Muhammad Almutairi, **Razique Anwer\*** (2019) Knowledge, Attitude and Practice of hand hygiene among medical students at Imam Mohmmad Ibn Saud Islamic University Riyadh, Saudi Arabia. *International Journal of Medical Research and Health Sciences*. 8(7): 134-141\*corresponding author
- Afnan Almass, Batol Alshahrani, Areej Almewesheir, Sana Tulhab, **Razique Anwer**, Shafiul Haque (2018). User experience Knowledge and practice of oral contraceptive: A study from Riyadh, Saudi Arabia. *Annals in Medical and Health Sciences Research* 8:411-419
- Khalid Al Qumaizi, **Razique Anwer\***, Nazia Ahmad, Tasneem Fatma (2018) Study on the interaction of antidiabetic drug Pioglitazone with calf thymus DNA using spectroscopic

techniques. Journal of Molecular recognition. DOI: 10.1002/jmr.2735 \*corresponding author

- Khalid Al Qumaizi, Amir Halim, **Razique Anwer\***, Kamal Halim, Saleh Alosaimi (2018) Irritable bowel syndrome (IBS)- The role of probiotic in the systemic and successful treatment of IBS. Imam journal of applied Sciences DOI: 10.4013/ijas.ijas\_2\_18 \*corresponding author
- Naseem Akhter, Syed Akhtar Husain, Mohammad A.A. Alqumber, Shilpi Chattopadhyay, **Razique Anwer**, Shafiul Haque, Mohd. Wahid (2018) Impact of p53 arg72pro SNP on breast cancer risk in north Indian population. Current Genomics DOI: 10.2174/1389202919666171205104137
- Danish Idrees, **Razique Anwer**, Mohd Shahbaz, Khalid Al Qumaizi, Samdudrala Gourinath (2018) Carbonic Anhydrase II Based Biosensing of Carbon Dioxide at High Temperature: An Analytical and MD Simulation Study. Journal of Bioremediation & Biodegradation DOI: 10.4172/2155-6199.1000421
- **Razique Anwer\***, Nazia Ahmad, Khalid Al Qumaizi, Osama A. Al Khamees, Waleed Mohammad Al Shaqha, Tasneem Fatma (2017) Interaction of procarbazine with calf thymus DNA—a biophysical and molecular docking study. Journal of Molecular Recognition DOI: 10.1002/jmr.2599 \*corresponding author
- Faez Iqbal Khan, Bilal Nizami, **Razique Anwer**, Ke-Ren Gu1, Krishna Bisetty, Md. Imtaiyaz Hassan, Dong -Qing Wei (2017) Structure prediction and functional analyses of a thermostable lipase obtained from *Shewanella putrefaciens* Journal of Biomolecular Structure & Dynamics <http://dx.doi.org/10.1080/07391102.2016.1206837>
- Meshari Binomar, Khalid Al Qumaizi, Waleed Mohammad Al Shaqha, Faez Iqbal Khan, **Razique Anwer \*** (2015) Screening of different soil sources of New York City for antimicrobial activity against Methicillin-Resistant *Staphylococcus aureus* (MRSA) Journal of Microbiology. Journal of Pure and Applied Microbiology, Nov 2015. Vol. 9 (Spl. Edn. 2) \*corresponding author
- **Razique Anwer\***, Khilaid I. Al-Qumaizi, W.M. Al-Shaqa, Faez Iqbal Khan (2015) From pancreatic insulin to non-pancreatic: A miraculous journey. International Journal of Biological Chemistry 9 (6): 302-317, 2015 \*corresponding author
- Sumbul Afreen, **Razique Anwer**, Tasneem Fatma. (2016) Extracellular laccase production and its optimization from *Arthrospira maxima* catalyzed decolorization of synthetic dyes. Saudi Journal of Biological Sciences (DOI:10.1016/j.sjbs.2016.01.015)

- **Razique Anwer**, Waleed Muhammad Al Shaqha, Mohammad Fareed (2015) *Spirulina* as novel photosynthetic micro-algae for promising insulin-like protein other than pancreas. J Biotechnol Biomater 2015, 5:2 <http://dx.doi.org/10.4172/2155-952X.S1.035> (conference proceeding)
- **Razique Anwer**, Anzar Alam, Saima Khursheed, Hifzul Kabir, Tasneem Fatma (2013) *Spirulina*: Possible Pharmacological Evaluation for Insulin-Like Protein Journal of Applied Phycology 25 (3), 883-889
- **Razique Anwer**, Saima Khursheed, Tasneem Fatma (2012) Detection of immunoactive insulin in *Spirulina* Journal of Applied Phycology 24, 583-591
- Khursheed S, **Anwer R**, Zutshi S, Fatma T (2012) Screening of photosynthetic, O<sub>2</sub> evolving prokaryotes for insulin like antigen Journal of Phycology 48, 243-245
- Khursheed S, **Anwer R**, Fatma T (2012) Insulin Like Antigen: Sources Other Than Pancreas. International Journal of Current Pharmaceutical Research (IJCPR) 4, 24-28
- **Book**  
Saad Mustafa, **Razique Anwer**, Joginder Pawar  
*Spirulina* Probable Insulin Source  
Characterization and Optimization of insulin-like protein from *Spirulina*  
Lambert Academic Publishing  
**ISBN:** 978-3-659-74464-8
- **Book chapter**  
STAPHYLOCOCCUS AND STREPTOCOCCUS  
**Chapter name:** An Emerging Multidrug- Resistant Pathogen: *Streptococcus pneumoniae*.  
Khalid I. AlQumaizi, Razique Anwer  
**ISBN** 978-1-78984-473-3  
**Publisher:** IntechOpen

#### Awards and Honors

- Distinguished publication reward from Deanship of Scientific Research, Imam University, Riyadh in a year 2016, 2017, 2018, 2019, & 2020
- Project Fellowship has been awarded from University Grant Commission (UGC), New Delhi, India
- International Travel Grant has been awarded from Indian Council of Medical Research (ICMR) and Department of Science and Technology (DST) in 2012 for Adelaide, Australia

## Conferences Attended

- Attended 1<sup>st</sup> Riyadh Conference for Microbiology and Public Health during 28-29<sup>th</sup> September 2019, Riyadh, KSA
- Attended Saudi International Medical Education Conference – SIMEC 2018 during 03-05 April 2018, Riyadh, KSA
- Attended 16<sup>th</sup> International Congress for hormonal steroids, hormones and cancer during 02-04 December 2014, Riyadh, KSA
- Presented a paper in 4<sup>th</sup> International Conference on Algal Biomass, Biofuels & Bioproducts during 15-18 June 2014, New Mexico, USA
- Presented a paper (Oral presentation) in 8<sup>th</sup> Asia-Pacific Conference on Algal Biotechnology and 1<sup>st</sup> International Conference on Coastal Biotechnology 2012 “Algae for the future” during 08-12 July 2012, Adelaide, Australia.
- Presented a paper in International Algal Summit “Algae for Sustainable Development” during 21-22 February 2012 at The Energy and Resource Institute (TERI), New Delhi, India.
- Presented a paper in Interdisciplinary Science International Conference-2011 on Bioinformatics: An Interface between Computer Science and Biology at Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi.
- Presented a paper in 7<sup>th</sup> Asia-Pacific Conference on Algal Biotechnology during 1-4 December 2009 at Department of Botany, University of Delhi, India.
- Attended an Interdisciplinary Science Conference-2008 on Mathematics in Biology at Centre For Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India.

## Workshop and Training attended

- Participated training in “Basic Training on SCIEX QTRAP 6500 LC MS” from 24<sup>th</sup> - 26<sup>th</sup> April 2018 in Darmstadt, Germany
- Participated workshop on “Essential Skills in Medical education (ESME)” from 1-5 April 2018, Riyadh, KSA
- Participated training in “PBL Training Course” from 25<sup>th</sup> - 26<sup>th</sup> January 2016 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated in the Workshop on “DNA amplification methods using Real time PCR technique in addition to advance and sophisticated applications” from 12-15 April 2015 at



Medical Research Centre, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh

- Participated in the workshop entitled “How to conduct a Systematic Review in Medical Education Research, based on BEME guidelines” organized by Dr. Alkoli chair for developing medical education in Saudi Arabia, held on April 7, 2015 at College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Attended training in “Al-Imam Medical Teachers Induction Course” from 5-6 April 2015 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated training in BMJ Best Practice and BMJ learning conducted by BMJ on 3<sup>rd</sup> February 2015, at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated training in Clinical key & Mosbey’s Nursing training session conducted by Elsevier on 28<sup>th</sup> October 2014, at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated training in “PBL Training Course” from 21-22 September 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated in the MCQ construction workshop on 10<sup>th</sup> May 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated in the workshop entitled “How to write course specification using NCAAA course template” on 1<sup>st</sup> March 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated in the workshop entitled “How to prepare OSCE” on 28<sup>th</sup> December 2013 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh
- Participated training program in “Blue Green Algae: Application in Agriculture and Industry” during the period from 12-18 May 2010, sponsored by the Department of Science & Technology, Govt. of India.
- Participated in “Short Term Training on Advanced Research Techniques (START) For Life Sciences” from February 8<sup>th</sup> -19<sup>th</sup> 2010 at National Facility For Marine Cyanobacteria

& Bioinformatics Centre, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli, Chennai.

#### Abstract accepted in International/National Conference

- Cyanobacterium: Possible Pharmacological Evaluation for insulin-like protein  
**R. Anwer**, S. Khursheed, T.Fatma. National Symposium on Plant Biology and its Role in Sustainable Food and Energy Production. March 17-18, 2012, Department of Botany, GGV, Bilaspur.
- Detection of immunoactive insulin in *Spirulina*  
**R. Anwer**, S. Khursheed, T.Fatma. 4<sup>th</sup> Congress of the International Society for Applied Phycology, June 19-24, 2011, Halifax, Canada.
- *In-vitro* detection of insulin from *Spirulina*  
**R. Anwer**, S. Khursheed, T.Fatma. National Conference on Algae and Algal Products. 22-24<sup>th</sup> September, 2011. Chennai, India
- *Spirulina* as a source of antidiabetic substance  
**R. Anwer**, S. Khursheed, T.Fatma. International Conference on Biotechnology For Better Tomorrow (BTBT-2011). February 6-9, 2011. Department of Microbiology, Osmanabad, Maharashtra, India.
- In-vitro evaluation of *Spirulina* for the treatment of diabetes  
**R. Anwer**, S. Khursheed, T.Fatma. 6<sup>TH</sup> Asian Pacific Phycological Forum October 09-14, The Ocean Resort, Yeosu, Korea.
- Screening of photosynthetic, O<sub>2</sub> evolving prokaryotes for insulin like antigen.  
**R. Anwer**, Saima Khursheed, Sunaina Zutshi, Tasneem Fatma.  
International Symposium on Phycological Research, February 25-27, 2010,  
Centre of Advanced Study in Botany, BHU, Varanasi, India

#### Personal Details

Date of Birth: 31<sup>st</sup> January 1983

Nationality: Indian

Gender: Male

Marital Status: Married

I hereby declare that the above information is true to the best of my knowledge.

Place: Riyadh

Dr. Razique Anwer

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