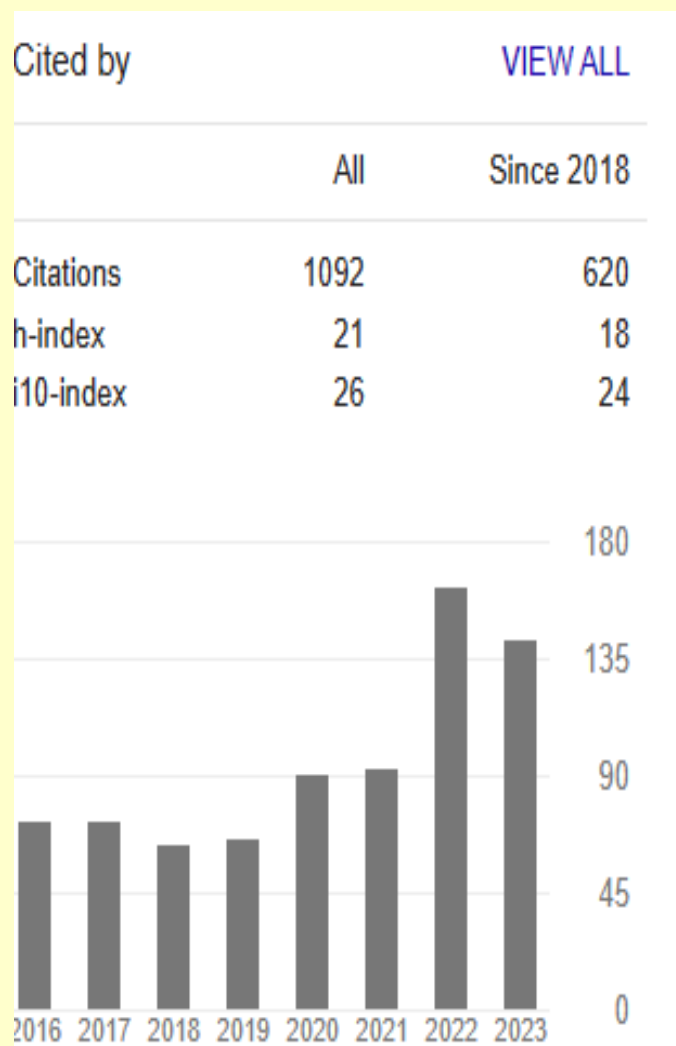




## CURRICULUM VITAE

**Dr. Shabihul Fatma Sayed (Ph.D, PDF) Mobile No: +966 538024737**



**Dr. Shabihul Fatma Sayed (Ph.D, Post-Doctorate PDF)**

Biologist | Research Scientist | Certified Medical Content Editor & Scientific Writer | Scientific Consultant | Scientific Reviewer

**Department of Nursing, Farasan University College, Jazan University, KSA**

A passionate research scientist with 13+ years of international Academic teaching & Research experience in Biological Sciences (Zoology) mainly the Protein biochemistry, Dietary Protein and Amino acids requirements, Vitamins and essential minerals requirements, Biochemistry, Nutritional Physiology, aquatic toxicology, pesticides/insecticides and their impact on human health, Public health issues and challenges

As an international researcher, I have extensive experience in working on challenging projects, building and developing collaborations, creating networks, mentoring and training students. My challenging postdoctoral work has fostered resource management skills in me and has honed my organizational and project management capabilities, enabling me to adapt to varied research environments.

I am also a science communication enthusiast and a skilled scientific writer & Reviewer in various Academic Press from Elsevier, Taylor & Francis, Cambridge Press etc.

Designation	Assistant Professor
Employer	Jazan University
Nationality	Indian
Language Known	English, Hindi, Urdu, Arabic (Reading only)
E-mail ID	<a href="mailto:Ssaid@jazanu.edu.sa">Ssaid@jazanu.edu.sa</a> ; <a href="mailto:ftm77@rediffmail.com">ftm77@rediffmail.com</a>



## Teaching Experience=13 years

### Summary of the Professional Experience

“...she is a mature scientist...”

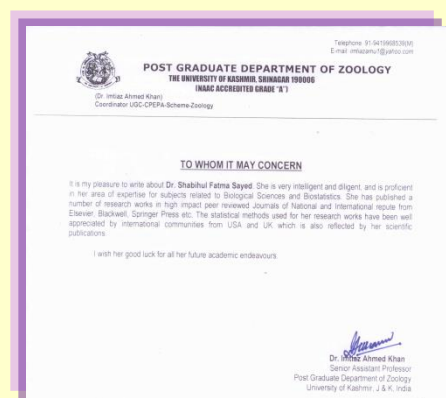
Prof. Dr. Ronald W. Hardy, University of Idaho, Hagerman, ID83332, USA.

“.....She is very intelligent & diligent, and is proficient in her area of expertise for subjects related to **Biological Sciences** and **Biostatistics**.....”

Dr. Imtiaz Ahmed, Sr. Associate Professor, University of Kashmir, SRINAGAR, J & K (NAAC ACCREDITED GRADE “A”)

Telephone 91-9419968539(M)

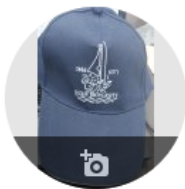
E-mail: [imtiazamu1@gmail.com](mailto:imtiazamu1@gmail.com)



- As a Faculty of a highly prestigious Central University of International fame (Aligarh Muslim University, AMU, Aligarh, India), I was associated with teaching of theory & laboratory classes at Post-Graduate level (Masters, M.Sc.) in Faculty of Life Sciences, Department of Zoology, AMU, Aligarh.
- During my tenure in Aligarh Muslim University, I have taught the courses of BIOCHEMISTRY, IMMUNOLOGY, ENDOCRINOLOGY, PHYSIOLOGY, REPRODUCTIVE TECHNOLOGY in SEM-I & II at Postgraduate level REPRODUCTIVE TECHNOLOGY, **BIostatistics** and **EQUIPMENT HANDLING** for M. Phil and Ph.D Courses. All the sessions included both theoretical and practical classes.
- My scientific caliber is reflected by the research publications in high rated international journals from USA & UK, and also by the evaluation report of my Ph.D thesis evaluated by foreign thesis examiner **PROF. RONALD W. HARDY, USA**.
- During my Ph.D and Post Doctorate (PDF in Parasitology), my research work was mainly focused on the biochemical aspects including essential nutrient requirements particularly the essential amino acids and essential vitamin requirements of the cultivable seafood/aquaculture species to augment their production to combat global Protein Energy Malnutrition & Hunger. The findings are published in high rated journal of international repute with high impact factor from **Elsevier, BMC Press (Biomedical Centre), Blackwell, Wiley-Blackwell, Springer Publications and Balkemia Press**.
- Awarded with the highly prestigious Post-Doctoral Fellow from Government of India under the **scheme of Dr. D.S. Kothari Post-Doctoral Fellowship by University Grants Commission, the UGC (University Grants Commission), New Delhi, India**.
- Engaged in providing training related to laboratory technologies including **Operation and maintenance of various sophisticated Equipment, Estimating energy densities, Dose design & formulation**.
- Associated with providing Statistical training on softwares



## CITATIONS, h-index and i10-index



Dr. Shabihul Fatma Sayed (Ph.D, PDF)

FOLLOW

Assistant Professor, Department of Nursing, Farasan Campus, [Jazan University](#), Jazan, KSA. Email

Verified email at [jazanu.edu.sa](mailto:jazanu.edu.sa)

Protein and Essential amino acids

Blood Biochemistry & Enzymology

Parasitology

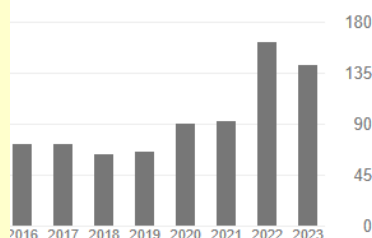
Bioinformatics

Nutrition & Feed Technologies

Cited by

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	All	Since 2018
Citations	1092	620
h-index	21	18
i10-index	26	24



Citations

922

h-index

20

i10-index

24

## RESEARCH PUBLISHED IN PEER REVIEWED INTERNATIONAL JOURNALS OF WEB OF SCIENCE (CLARIVATE ANALYSIS) & SCOPUS INDEXED

1. S. A.H. Abdi, Abuzer Ali, **SHABIHUL FATMA SAYED**, Amena Ali, SSH Abadi, Abu Tahir, MA Afjal, Hina Rashid, OM Aly, Sumathi Nagarajan. Potential of paracetamol in reproductive disruption: Molecular interaction, dynamics, and MM-PBSA based In-Silico assessment. **Toxicology Mechanism and Methods** 2022 (Taylor & Francis). 2022. **Impact Factor: 4.231**



2. S.A.H. Abdi, Amena Ali, **SHABIHUL FATMA SAYED**, Abitahir, Abuzer Ali., Perwez Alam. Multi-Epitope-Based Vaccine Candidate for Monkeypox: An *In-Silico* Approach. **Vaccines** 2022, (MDPI PRESS ISI INDEXED/SCOPUS JOURNAL). **Impact Factor: 4.961.**
3. Sayed Aliul Hasan Abdi, Amena Ali, **SHABIHUL FATMA SAYED**, Sumathi Nagarajan, Abu Tahir, Prawez Alam and Abuzer Ali. Sunscreen Ingredient Octocrylene's Potency to Disrupt Vitamin D Synthesis **International Journal of Molecular Sciences** 2022 (MDPI PRESS ISI INDEXED/SCOPUS JOURNAL) **Impact Factor: 6.2.**
4. **SHABIHUL FATMA SAYED**, and Nagarajan S. Nutritional anemia among nursing undergraduates. **Cambridge University Press. 2022 (Cambridge University Press).** **Impact Factor: 3.4/Cite Score: 9.0**
5. **SHABIHUL FATMA SAYED**, and Ahmed I. Effects of Dietary Phenylalanine: Tyrosine Ratio on Growth, DNA/RNA, Serum Biochemistry, Digestive Enzyme Activities and Physiological Responses of *Heteropneustes fossilis*. **Aquaculture Studies** 2022 (Turkish Journal). **Impact Factor/Cite Score: 0.7/1.0**
6. Sayed Aliul Hasan, Amena A, **SHABIHUL FATMA SAYED**, Ahsan MJ, Ahmed W, Shukla S & Abuzer A. Morusflavone, a New Therapeutic Candidate for Prostate Cancer by CYP17A1 Inhibition: Exhibited by Molecular Docking and Dynamics Simulation. **Plants** 2021; (10): 1912 (MDPI PRESS ISI INDEXED/SCOPUS JOURNAL) **Impact Factor: 3.95**
7. Hasan, Abuzer Al Ghamdi & **SHABIHUL FATMA SAYED** et al. (2021) *Molecular docking and dynamics simulation to screen interactive potency and stability of fungicide tebuconazole with thyroid and sex hormone-binding globulin: Implications of endocrine and reproductive interruptions.* **Journal of Applied Toxicology.** 2021 25; 41 (10): 1649-1659. (WILEY PRESS ISI INDEXED/SCOPUS JOURNAL). **Impact Factor: 3.5**
8. Sayed Aliul Hasan, **SHABIHUL FATMA SAYED** & Jamuna Bhasker. Serotonin Receptor Agonist and Risk of Parasthesia in Migrane Patients: A Dose-Response Model-Based (Network) Meta-Analysis. **Annals of Indian Academy of Neurology.** Wolters Kluwer Press (ISI INDEXED/SCOPUS JOURNAL). **Impact Factor: 1.3**
9. Al Hanouf & **SHABIHUL FATMA SAYED** *Self-medication practice with analgesics (NSAIDs and Acetaminophen), and antibiotics among nursing undergraduates in University College Farasan Island, Jazan University, KSA* **Annales Pharmaceutiques Francaises.** Doi:./10.1016/j.pharma.2020.10.012 (ELSEVIER PRESS, ISI INDEXED JOURNAL) **Impact Factor: 1.2**



10. Imtiaz Ahmed, Istiaq A & **SHABIHUL FATMA SAYED** Role of Branched-chain amino acids on growth, physiology and metabolism of different fish species: A Review. *Aquaculture Nutrition*. 2021; 27; (5): 1270-1289. **(WILEY PRESS ISI INDEXED/SCOPUS JOURNAL). Impact Factor: 3.5**
11. **SHABIHUL FATMA SAYED** and Ahmed I. Effect of water temperature on protein requirement of *Heteropneustes fossilis* (Bloch) fry as determined by nutrient deposition, hemato-biochemical parameters and stress resistance response. *Fisheries and Aquatic Sciences* 2020(Biomedical Central, BMC, Springer Press).23:1.**(BMC BIOMEDICAL CENTRAL PRESS, ISI INDEXED/SCOPUS JOURNAL). Impact Factor: 1.0**
12. Abushusha, W.M.A and **SHABIHUL FATMA SAYED** (2017). Comparative analysis of some locally available packed and fresh fruit juices using redox-titration method. *IJAR*. 5:5Article DOI: 10.21474/IJAR01/xxx. *Impact* 6.1
13. **SHABIHUL FATMA SAYED** and Khan, M.A. (2014). Evaluation of feeding rate based on growth, feed conversion, protein gain and carcass quality of fingerling Indian major carp, *Catla catla*. *Aquaculture Research*, 45: 439-447. **(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**
14. Khan, M. A. and **SHABIHUL FATMA** (2014). Dietary Histidine requirement of Singhi *Heteropneustes fossilis* (Bloch) *Aquaculture Research*(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) **Impact Factor: 2.1**
15. Nassr-Allah H. Abdel-Hameid, Khan, M.A. and **SHABIHUL FATMA** (2013). Dietary vitamin E requirement for maximizing the growth, conversion efficiency, biochemical composition and haematological status of fingerling *Channa punctatus* *Aquaculture Research* **(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**
16. Khan, M.A. and **SHABIHUL FATMA** (2012). Effect of varying protein-energy ratios on growth, nutrient retention, somatic indices and digestive enzyme activities of Singhi *Heteropneustes fossilis* fry (Bloch). *Journal of the World Aquaculture Society* **(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.51**
17. Khan, M.A., and **SHABIHUL FATMA** (2012). Dietary methionine requirement of Indian major carp fry, *Cirrhinus mrigala* (Hamilton) based on growth, feed conversion and nitrogen retention efficiency. *Aquaculture Research* **(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**
18. **SHABIHUL FATMA** and Khan, M.A. (2011). Total sulphur amino acid requirement and cystine replacement value for fingerling rohu, *Labeo rohita*: effects on growth, nutrient retention, and body composition. *Aquaculture Nutrition* **(Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 3.5**





19. Khan, M. A., **SHABIHUL FATMA (2011)** Dietary arginine requirement of *Heteropneustes* (Bloch) fry based on growth, nutrient retention and hematological parameters **Aquaculture Nutrition (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 3.5**
20. **SHABIHUL FATMA** and Khan, M.A. (2010) Growth, protein retention and body composition of fingerling rohu, *Labeo rohita* (Hamilton) fed diets with various levels of lysine. **Journal of The World Aquaculture Society (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.51**
21. **SHABIHUL FATMA** and Khan, M.A. (2010). Dietary tryptophan requirement of fingerling, Indian major carp *Labeo rohita* (Hamilton). **Journal of The World Aquaculture Society 2010; (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.51**
22. **SHABIHUL FATMA** and Khan, M. A. (2009). Dietary arginine requirement of fingerling Indian major carp, *Labeo rohita* (Hamilton) based on growth, nutrient retention, body composition and RNA/DNA ratio. **Journal of Applied Ichthyology (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 0.89**
23. Khan, M.A. and **SHABIHUL FATMA (2009)** Optimum ration level for better growth for *Heteropneustes fossilis* (Bloch). **Aquaculture International (Springer Publication ISI INDEXED/SCOPUS JOURNAL) Impact Factor:1**
24. Khan, M.A. and **SHABIHUL FATMA (2009)**. Dietary histidine requirement of fry African catfish *Clarias gariepinus* (Burchell). **Aquaculture Research (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**
25. **SHABIHUL FATMA** and Khan, M.A. (2008). Dietary threonine requirement of fingerling, Indian major carp *Labeo rohita* (Hamilton). **Aquaculture Research (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**
26. Khan, M.A. and **SHABIHUL FATMA (2007)**. Total aromatic amino acid requirement of fry, Indian major carp *Labeo rohita* (Hamilton). **Aquaculture (Elsevier Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 5.135**
27. Khan, M.A. and **SHABIHUL FATMA (2007)**. Dietary isoleucine requirement of fingerling, Indian major carp *Labeo rohita* (Hamilton). **Aquaculture Nutrition (Blackwell Publications) (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 3.5**
28. **SHABIHUL FATMA** and Khan, M.A. (2007). Dietary leucine requirement of fingerling, Indian major carp *Labeo rohita* (Hamilton). **Aquaculture Research (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 2.1**



29. SHABIHUL FATMA and Khan, M.A. Dietary valine requirement of fingerling, Indian major carp *Labeo rohita* (Hamilton). *The Journal of Applied Ichthyology* (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 0.8
30. Khan, M.A., Ahmed, I. and SHABIHUL FATMA (2004). Effect of ration size on growth, conversion efficiency and body composition of fingerling mrigal, *Cirrhinus mrigala* (Hamilton). *Aquaculture Nutrition* (Wiley-Blackwell Publications ISI INDEXED/SCOPUS JOURNAL) Impact Factor: 3.5

### Member of Scientific bodies (INDEXED Journals)

S. Nos.	Name of the Journals	Publishers	Country	Participation/Designation	Periods/Durations
1.	Annals of Medicine and Surgery	Elsevier	UK	Reviewer	2016-Continue
2.	Biomedical Central (BMC)	Springer	UK	Reviewer	2017-Continue
3.	Frontiers of Nutrition	Frontiers	UK	Review Editor	2021-Continue
2.	Germs	Publons	USA	Reviewer	2019-Continue
3.	Saudi Journal of Biological Sciences	Elsevier	KSA	Reviewer	2019-Continue
4.	Population Health	Elsevier	USA	Reviewer	2018-Continue
5.	International Archives of Nursing & Health Care	ClinMed	USA	Reviewer	2018-Continue
6.	International Journal of Women's Health & Wellness	ClinMed	Italy	Reviewer	2018-Continue
7.	Aquaculture Studies	Turkish J	Turkey	Reviewer	2017-Continue
8.	Aquaculture Research	Wiley-Blackwell,	USA	Reviewer	2014-2020



		John Wiley & Sons, Ltd , USA			
9.	Aquaculture International	Taylor & Francis, UK	UK	Reviewer	2014-Continue
10.	Journal of Applied Aquaculture	Springer Press, Ireland	Ireland	Reviewer	2014-Continue

## **PROFESSIONAL SKILLS**

1. Provided training for *operation and maintenance of equipment for protein estimation, using Kjeltac EQUIPMENT Foss, Hoegenes, Sweden*
2. Provided training for *operation and maintenance of equipment for Amino Acid Analyzer using Hitachi-L8800 Amino Acid Analyzer*
3. **Determining the Protein Requirements of Animal (TERRESTRIAL & AQUATIC) & Human Subjects by conducting DOSE-RESPONSE EXPERIMENTS**
4. Involved in providing training for *preparation of bacterial and fungal culture media*
5. Provided training for *histological preparation using MICROTOME*
6. Involved in providing training for *operation and maintenance of Laminar hood*
7. Involved in providing training for *analysis of ABO blood types and Rh factors*
8. Provided training for *operation and maintenance of equipment Ballistic Bomb calorimeter, Loghrough UK, for estimation of energy density/calorific values*
9. Involved in providing training for *hemato-biochemical parameters analysis*
10. Involved in providing training for *operation and maintenance of equipment related to microbiological and biochemical applications*
11. Involved in providing training *related to health and hygiene*





12. Involved in providing training for *Statistical Softwares for data analyses*
13. *Role of quality protein and Cardiac Health Protein Calorie Malnutrition*
14. Involved in providing training for *estimation of hemoglobin: manual and automatic methods*

### EQUIPMENT HANDELED:

1. Flow-Cytometry
2. Digital and Manual Autoclaves
3. Hitachi-L8800 Amino Acid Analyzer for qualitative estimation of amino acids
4. Foss Kjeltex, Hoegenes, Sweden, for protein estimation
5. Bomb calorimeter, Loughbrough, UK for estimation of energy densities/calorific values
6. UV- Visible spectrophotometer (Genesys, USA)
7. Socs Plus for extraction of fat (Hoegenes, Sweden)
8. Bacterial Colony counter
9. Water Distillation Units: Manual & Automatic, both
10. Incubators & Hot air oven/Thermostat
11. Gel docs & ELISA reader
12. Microscopes
13. PCR
14. All types of Centrifuges, ultracentrifuges, cooling centrifuges & BOD incubator
15. Laminar hoods
16. Water-recirculatory Units




**अनु विभाग, अलीगढ़ मुस्लिम विश्वविद्यालय, अलीगढ़-202002**  
 شعبہ حیوانیات، علی گڑھ مسلم یونیورسٹی، علی گڑھ  
 DEPARTMENT OF ZOOLOGY, ALIGARH MUSLIM UNIVERSITY  
 ALIGARH-202002 INDIA

**ڈاکٹر. मुखتار احمد خان**  
 پروفیسر اور چیئر پرسن  
 Dr. Mukhtar Ahmad Khan  
 Professor & Chairperson

Land Line: (9571-2705376)  
 Internal: 9571-3799930-3431, 3438  
 Email: chairperson.zoo@amu.ac.in  
 zoologychairman@yahoo.com

**Dated: 11.01.2023**

**EQUIPMENT HANDLING ACCREDITATION**

This is to certify that **Dr. Shabihul Fatma Sayed** is a Technical Expert of equipment handling for highly sophisticated laboratory equipment which are used to scan the amino acid profile of dry samples and liquid samples including blood, protein estimation, and that related to food packaging information for their energy densities. She has 5+ years of experience in dealing with all types of laboratory equipment and troubleshooting. In addition to the equipment present and used in laboratory, she has worked with and developed her expertise from outside. The list of equipment for which she is an expert areas under:

1. Spectrophotometer (UV/VIS Genesys, USA)
2. Hitachi Amino Acid Analyzer (Hoeganas, Sweden)
3. Ballistic Bomb Calorimeter (Loughborough, UK)
4. Foss Kjeltec (Sweden)
5. Sostec (Sweden)
6. Muffle Furnace (Pelican, India)
7. Electrical/Manual Homogenizer for tissue samples
8. General Incubators
9. All types of Centrifuges including, Ultracentrifuges and cooling centrifuge
10. Clinical centrifuge (Remi, Mumbai, India)
11. Equipment for Hematological analyses
12. Enzyme analyses Kits (ELIZA)/Manual
13. Autoclaves
14. HPLC (High Performance Liquid Chromatography)
15. Microscopes
16. Deep-freezers
17. Laminar hoods
18. Electrophoresis assembly

I wish her good luck for all her future academic endeavours.

  
**Prof. Mukhtar A. Khan**  
 Chairperson  
 (Signature) Chairperson  
 अनु विभाग, अलीगढ़ मुस्लिम विश्वविद्यालय  
 Zoology Department, A.M.U., Aligarh

**Award/Fellowship**



- ✓ Awarded with the highly prestigious Post-Doctoral Fellow under the scheme of **Dr. D.S. Kothari Post-Doctoral Fellowship by University Grants Commission, the UGC, New Delhi, India (2010-2013).**
- ✓ Awarded **Best Researcher Award** in *1st International Scientist Awards on Engineering, Science and Medicine*, held on **14 & 15-Sep-2019**, Chennai, India, Organized by VDGGOOD Professional Association.
- ✓ **Certificate of Appreciation** by Assoc. Prof İlhan AYDIN Editor in Chief, Aquaculture Studies, Central Fisheries Research Institute, KasustuBeldesi, 61250, Yomra, Trabzon, TURKEY, **19.09.2019& 21.11.2021.**
- ✓ Awarded funded research on 10<sup>th</sup> Scientific Forum for Jazan University Students, 2019.
- ✓ Awarded with Covid-19 Research Fund by Deanship of Scientific Research, Jazan University, KSA 2020
- ✓ Awarded with Research Publication Award from Deanship of Scientific Research, Jazan University, KSA 2022

### Research Supervised/under supervision for Bachelor's student in KSA

Subjects/Year	Names of the research student& Title of Research
1. Biochemistry/2015-2016	Conducted by Wedad A. Abushusha (Published in <i>IJAR</i> Article DOI: 10.21474/IJAR01/xxx. <i>Impact 6.1</i> ). 2017
2. Medical Microbiology/2016-2017	Conducted by Sarah El Absy Published in 8 <sup>th</sup> Scientific Forum for Jazan University Students, Held at Jazan, KSA 31 <sup>st</sup> , October to 2 <sup>nd</sup> , November, 2017, Section 01, Health and Medical Science, p.15.
3. Biochemistry/2016-2017	Conducted by Rahaf Jaber Madkhili and Ruba Essa Published in 8 <sup>th</sup> Scientific Forum for Jazan University Students, Held at Jazan, KSA 31 <sup>st</sup> , October to 2 <sup>nd</sup> , November, 2017, Section 01, Health and Medical Science, p.16.
4. Biochemistry/2017-2018	Conducted by Hasna Qasim on 'Phenotypic Diversity of ABO blood type and Rh factor alleles among Students of Faculty of Science & Arts in Farasan'.
5. Medical Microbiology/2018-2019	Conducted by Atheel Husain Ahmed & Maymeen Abdulrahman on 'Spectrophotometric measurement of Glucose in Soft-drinks for their potential effects on metabolic syndrome'



6. Medical Microbiology/2018-2019	Conducted by Jwharah Mohammed Hadadei 'A <i>REVIEW Work On Zoonosis from dogs</i> '
7. Medical Microbiology/ 2019-2020	Raneem Ageeli & Shayma Ramatan 'Screening of some ATM to check some selected bacterial community (Under process)
8. Medical Microbiology/2019-2020	Alhanouf 'Self-medication practice with non-steroidal analgesic among nursing undergraduates in Farasan, Jazan University, KSA'. A FUNDED RESEARCH AWARDED during 10 <sup>TH</sup> STUDENT'S SCIENTIFIC FORUM, JAZAN UNIVERSITY, KSA (Published in Elsevier Journal)
9. Biostatistics (2020-2021)	Attitude of Nursing undergraduates towards Online Teaching & Learning during Covid-19 in Farasan Campus, Jazan University, KSA

### MY RESEARCH INTERESTS

My research work is on analyzing the:

- ✓ Biomedical Research
- ✓ Health & Allied Health Science
- ✓ Nutrient requirement studies
- ✓ Endocrinology/Parasitology
- ✓ Effect of essential amino acids on health parameters mainly the haematological parameters
- ✓ Quantitative essential amino acids requirements
- ✓ Essential vitamins requirements
- ✓ Protein requirements for the cultivable species
- ✓ Analyses of medicinal plants extracts for their therapeutic effects on aquatic and terrestrial life forms/ Physiology
- ✓ Poultry nutrition and physiology
- ✓ Aquatic Toxicology
- ✓ Assessment of pesticide/insecticide on health parameters



- ✓ Above area of interest has direct health significance for human being as the outcome of my work helps in enhancing the production of quality protein for human being.
- ✓ This helps in eradicating the protein calorie malnutrition which is serious issue of global concern.

In addition to my routine teaching, I am actively involved in the research activities and doing peer reviews of the scientific manuscripts from USA and other countries.

### Lectured subjects/courses for Department of Nursing

Subjects	Activity
1. Biology for Health Specialties	Theory + Practical
2. Medical Microbiology	Theory + Practical
3. Biochemistry	Theory
4. Biostatistics	Theory + Practical
5. Research Methodology	Practical
6. Research Writing	Theory
7. Health Economics	Theory
8. Total Quality Management	Theory

### Responsibilities of the Department/Contributions to the Departmental Activities

S. Nos.	Details
1.	Coordinator of Quality Unit, Department of Nursing, University College, Farasan Campus (2020-Continue)
2.	Head of Scientific Research (2022)
3.	Head of Community Service Unit (2021-continue)
4.	Incharge of Standard 6 now updated version as Standard 5, Learning Resources, Facilities & Equipment (2016-Continue)
5.	Member of Scientific Research Committee (2016-Continue)
6.	Member of Community Unit (2016-2020)
7.	Member of Departmental Research Committee (2017-2018)
8.	Member of Ethics committee for Research (2017-2018)
9.	Member of Laboratory Committee, Nursing Department (2017-2018)
10.	Member of Academic guidance and Academic for students
11.	Member of Academic advice for students
12.	Incharge of Biology Laboratory
13.	Member of Quality committee under Standard 4 (Learning outcome) (2017-2018)



14.	Member of Laboratory committee of the College (2017-2018)
15.	Member of the Exam committee (2017-2018 Semester-I & II)-Continue
16.	Head of Exam committee (2017-2018 Semester-II)
17.	Member of Moadala Committee (2016-2019)

## Academic qualifications

Academic Qualifications	Year	Board/ University	Subjects	Percentage (%)
Post-Doctoral Fellow (PDF)	2013	A.M.U.	Biology/Zoology	Exemplary
Ph.D	2009	A.M.U.	Biology/Zoology	Exemplary
M.Phil.	2002	A.M.U.	Biology/Zoology	79.8
M. Sc.	2000	A.M.U.	Zoology (Biochemistry, Immunology, Biostatistics, Gamete Biology, Molecular Biology, Physiology, Ecology, Aquaculture Nutrition & Feed processing Technologies)	71.3

### Teaching Experience: 13 years\* (Starting with the most recent employment)

Employer	Position	Period
Jazan University, KSA	Assistant Professor	November 2014-continue
Faculty of Life Sciences, Aligarh Muslim University	Assistant Professor/Post-doctoral Fellow	2010-2014
Faculty of Life Sciences, Aligarh Muslim University	Assistant Professor	2009-2010
Faculty of Life Sciences, Aligarh Muslim University	Research Scholar	2005-2009

\*Associated with teaching at Post graduate level for M.Sc. I, II, III and IV<sup>th</sup> Semesters

## Details of Computer Skills

MS Office
SPSS (version 17.0, 21)





MATLAB (version 7.1)

Origin (version, 6.1; 8.0)

Sigma Plot (version 17.0)

Systat (version 12)

Statistica

Linux

An expert in English typing

**S. Nos.****Professional and Scientific Abilities**

1. Expert of conducting in-door and out-door feed trials for determination of nutrient requirements mainly the protein, amino acids, vitamins and carbohydrates of the candidate species
2. Expert of Animal Handling
3. Expert to formulate cost-effective formula feeds
4. Expert of handling innovative equipment for Biochemical and microbiological analysis
5. Have an in-depth knowledge of RESEARCH METHODOLOGIES related to manuscript writing and publications and the about conducting practical sessions  
Acting as a **Reviewer** in the journals such as GERMS (Taylor & Francis, USA) Public Health (Elsevier, UK), Aquaculture International (Springer Press, Ireland).

**S. Nos.****Technical skills and experience in operating laboratory equipment:**

1. Have expertise of Operation, Maintenance and trouble shooting of the Foss Kjeltex Tecator TM<sup>2300</sup> used for the protein estimation of feed and animal samples
2. Have expertise of Operation, Maintenance and trouble shooting of the Hitachi L-8800 Automatic Amino Acid Analyzer used for analysis of the amino acid profile of the feed and animal samples
3. Have expertise of Operation, Maintenance and trouble shooting of the Ballistic Bomb Calorimeter (Loughborough, U.K.) used for the gross energy density analysis of the feed and animal samples
4. Have expertise of Operation, Maintenance and trouble shooting of the Socs Plus for estimation of crude fat content of the feed and animal samples
- 5.



6.	<b>Have expertise</b> of Corrective and Preventive maintenance of the sophisticated laboratory equipment used for feed quality and flesh quality analysis
7.	Can run <b>Muffle Furnace at 600°C</b> for the <b>estimation of ash content</b>
8.	<b>Can run Benchtop, cooling and microcentrifuge</b>
9.	<b>Have expertise</b> of Microbiological equipment including Laminar flow and fume hoods
10.	<b>Have expertise</b> to deal with the operation, maintenance and troubleshooting of all types of water distillation units
11.	<b>Have expertise</b> of working with Laminar flow for microbiological work
12.	<b>Have expertise</b> of working with digital colony counter for microbiological work
	<b>Have expertise</b> of <b>Operation, Maintenance</b> and trouble shooting of Autoclave

### CONFERENCES/SYMPOSIA/WORKSHOPS Participated/ATTENDED

1. **Shabihul Fatma Sayed (2022)** Conducted Workshop under **Quality Unit** on **'KPI'** University College, Jazan University, KSA.
2. **Shabihul Fatma Sayed (2022)** Conducted Workshop under **Academic Unit** on **'Health Impacts of Tattoos'** University College, Jazan University, KSA.
3. **Shabihul Fatma Sayed (2022)** Conducted Workshop under **Risk Unit** on **'Civil Defense'** University College, Jazan University, KSA.
4. **Shabihul Fatma Sayed (2022)** Done **Oral Presentation** in Saudi Laboratory Conference, Riyadh, February 2022.
5. **Shabihul Fatma Sayed (2021)** Conducted Workshop under **Quality Unit** on **'How to Prepare Course File'** University College, Jazan University, KSA.
6. **Shabihul Fatma Sayed (2020)** Delivered Lecture on Covid-19 with the theme 'Back Cautiously'. University College, Farasan Campus, August, 2020.
7. **Shabihul Fatma Sayed (2020)** Attended Workshop on **'Basics of Using Computer in Education'** September 9<sup>th</sup>, 2020.
8. **Shabihul Fatma Sayed (2020)** Attended Workshop on **'Using Word Processing Software'** September 15<sup>th</sup>, 2020.



9. **Shabihul Fatma Sayed (2020)** National workshop on ‘Nucleic Acid Testing (NAT) Technology for detection of HIV/HCV/HBV’ organized by Helix BioGenesis Pvt. Ltd. on 18th -19th July, 2020.“
10. **Shabihul Fatma Sayed (2020)** Certificate of Participation for Webinar on Covid-19 ‘Pandemic: The Story Behind the Headlines’ Organized by AMU ALUMNI ASSOCIATION, JAZAN and AMU MEDICAL ASSOCIATION, UK.
11. **Shabihul Fatma Sayed (2020)** Online-Workshop on Flow Cytometry solutions. Conducted by Flowcytometry Solutions (P) Ltd., Thermo Fisher Scientific, 8<sup>th</sup> to 12<sup>th</sup> April, 2020.
12. **Shabihul Fatma Sayed (2019)** Attended ‘*First International Conference on Sustainability of Natural Resources: Sustainable Solid Waste Management*’ organized by College of Engineering, Qasim University, KSA, 5-6 November, 2019.
13. **Shabihul Fatma Sayed (2019)** Done Oral Presentation in ‘International Conference on Public Health: Alternative Methods vis-à-vis Modern Medical Practices-Issue and Challenges’. Organized by Jawaharlal University, JNU, New Delhi, June 15<sup>th</sup>, 2019.
14. **Shabihul Fatma Sayed (2019)** Attended Workshop on ‘Learning Outcome, Organized by Jazan University, held at Holiday Jazan Hotel, 26-27<sup>th</sup> February, 2019.
15. **Shabihul Fatma Sayed (2018)** Attended ‘Women Leaders Forum’ held on 13-14<sup>th</sup> November 2018, Organized by Dental College, Jazan University, Jazan, KSA.
16. **Shabihul Fatma Sayed (2018)** Attended Workshop on ‘Curriculum Writing, Organized by Jazan University, held at Holiday Jazan Hotel, 22nd October, 2018.
17. **Shabihul Fatma Sayed (2018)** Participated in International conference on ‘*Innovative Research on Cancer Biology, Biomedical Science, Stem cells, Immunology and Biotechnology*’ organized by Jawaharlal University, JNU, New Delhi, July 15<sup>th</sup>, 2018.
18. **Shabihul Fatma Sayed (2018)** Participated in ‘*Training on Industrial Microbiology*’ organized by Helix Bioinformatics, Noida, July 1-15<sup>th</sup>, 2018.
19. **Shabihul Fatma Sayed (2018)** Quality training workshop held on in Academic Campus-2 for Girls’ organized by Jazan University from 8 am to 1 pm. 15<sup>th</sup> March, 2018



20. **Shabihul Fatma Sayed (2018)** *Preparation for the Institutional Review Panel Visit to Jazan University*, held at Auditorium of Faculty of Science and Arts in Farasan, Jazan University, KSA.