

Dr. Sabina Khanam

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ORCID ID: <https://orcid.org/0000-0002-0956-5783>

Web of Science ResearcherID: L-8501-2015

Areas of Interest: Biochemistry, Hematology, Histopathology, Toxicology, Molecular Endocrinology, Ethology, Developmental biology & Environmental Biology.

Teaching Experience:

- Working as Senior Lecturer at Department of Biological Sciences, **Yobe State University, Nigeria** (April 2016- till date).
- External Supervisor at School of Biological Sciences, School of Biomedical Sciences, **The University of Western Australia, Perth, Australia.**
- **Worked as Assistant Professor, Department of Zoology, DAYANAND GIRLS POST GRADUATE COLLEGE Kanpur (Kanpur University, India)** for Graduate and Post Graduate students from 2007 to 2016 (Nine years).
- **Worked as Assistant Professor, Department of Zoology, OM HARIHAR MAHAVIDYALAYA, Kundaora (Bundelkhand University, India)** for Graduate and Post Graduate students from 2013 to 2016 (Four years).

Research Experiences:

- **Thirteen years Research Experience** in clinical research, worked on **hematology, biochemistry, and histopathology of rats and birds.**

- **Three months Project Training in Central Drug Research Institute (CDRI), Lucknow.**
- Experience of **animal handling, dosing and maintenance.**
- Experience of handling several instruments like **microtome, histopathology centre, biochemical analyzer, hematology analyzer (MS9), centrifuge and binocular microscope.**
- Participated in two months course on ‘**Molecular basis of Nutrition-Related Diseases**’ from February to April 2015 from **Iversity University, Germany.**
- Participated in five days course on “**Advanced Digital Appreciation Programme for Tertiary Institutions**” from April 01-05 2019 Organised by Digital Bridge Institute, at Yobe State University, Nigeria.
- Participated in one day training programme on “**Writing Grant Winning Research Proposal**” Organised by Centre for Research, Innovation and Linkages, Yobe State University, Nigeria.

Research Projects Works:

- Worked with the project titled “**Safety Assessment of Zinc and Carbaryl on Broiler Chicks**” in **Central Drug Research Institute (CDRI) Lucknow.**
- Worked with the project titled “**Impact of Commonly used fertilizers diammonium phosphate and calcium nitrate on Albino rats**”.
- Assisted UGC funded major project titled “**Repurcussions of Flavour Enhancer Mono Sodium Glutamate (MSG) on the Physiology of Albino Rat**”.

Academic Qualifications:

Ph.D. (Zoology)

University : C.S.J.M. Kanpur University

Year of Submission : 2010

Year of Award : 2012

M.Sc. (Zoology) (Specialisation- Endocrinology)

College : DAYANAND GIRLS POST GRADUATE COLLEGE Kanpur

Percentage : 77% (Gold Medalist)

Year of Passing : 2007

B.Sc. (Chemistry & Zoology)

College : CHRIST CHURCH POST GRADUATE COLLEGE Kanpur

Percentage : 60%

Year of Passing : 2005

Intermediate

School : M.G.GIRLS INTER COLLEGE Kanpur

Board : U.P. Board

Percentage : 55%

Year of Passing : 2001

High School

School : M.G.GIRLS INTER COLLEGE Kanpur

Board : U.P. Board

Percentage : 54%

Year of Passing : 1999

Technical Qualifications:

- Three months Project Training in Central Drug Research Institute (CDRI), Lucknow.
- Attend three days National Workshop on “**Bioinformatics: Tools in Sequencing and Drug Targeting**”. Organised by National Bioinformatics Infrastructure Facility Centre of

D.B.T. Ministry of Science and Technology, Govt. of India. Deptt. Of Zoology D.G.P.G. College, Kanpur.

- Attend three days National Workshop on “**Expanding Horizons and Changing Dynamics in Biotechnological Research**” and hands-on “**Polymerase Chain Reaction (PCR) and its Application**”. Organised by Deptt. Of Biotechnology, D.G.P.G. College, Kanpur and MRD LifeSciences, Lucknow.
- Attend one day National Workshop on “Environmental Degradation: Anthropogenic Problems and Their Prospects”. Organised by Faculty of Science, Harsahai P.G. College, Kanpur.

Membership:

- Reviewer in “Journal of Veterinary Diagnostic Investigation”, **SAGE Journals**.
- Reviewer in “Science Progress”, **SAGE Journals**, UK.
- Reviewer in “International journal of Pharma and Biosciences”, **Elsevier**.
- **Executive Editor** in “Multilogic in Science”, India.
- Editorial Board Member in “ American Journal of Biomedical Science and Research”, USA
- Editorial Board Member in “ Advances in Clinical Toxicology”, Michigan, USA
- Editorial Board Member in “ International Medicine”, Turkey
- Reviewer in “ International Medicine”, Turkey
- Reviewer in “Edorium Journal of Toxicology”, USA
- Editorial Board Member of “Edorium Journal of Toxicology”, USA
- Editorial Board Member of “EC Diabetes and Metabolic Research”, UK
- Editorial Board Member of “CPQ Medicine”, Toronto, Canada

- Editorial Board Member of “CPQ Nutrition”, Toronto, Canada
- Editorial Board Member of “ International Invention of Scientific Journal”, India
- Reviewer in “Archieves of Pharmacy and Pharmacology Research”, USA
- Editorial Board Member of “Advance Research on Endocrinology and Metabolism”, Sci-Tech Central Inc.,USA
- Editorial Board Member of “European Journal of Clinical and Biomedical Sciences”, USA
- Editorial Board Member of “GSR Journals of Hematology”, USA
- Reviewer in “American Research Journal Of Biosciences”, Chicago
- Editorial Board Member of “International Journal of Agriculture and Environmental Research”, India
- Associate Editor in “Scholars Academic Journal of Biosciences” Assam, India
- Member of “International Society of Intraoperative Radiation Therapy”, Germany
- Member of “International Society for Environmental Information Sciences”, Canada.
- Reviewer in “International Journal of Pharmaceutics and Pharmacology”, India
- Editorial Board Member of “International Journal of Medical Sciences and Pharmaceutical Research”, India
- Honorary Editorial Board Member of “Scientia Research Library”, India
- Editorial Board Member of “International Journal of Pharmaceutics and Pharmacology”, India
- Editorial Board Member of “Scholars Academic Journal of Biosciences”, India
- Editorial Board Member of “International Journal of Research in Pharmacy and Biosciences”, India
- Editorial Board Member of “International Journal of Arts and Science Research”, India
- Member of “Scholars Academic and Scientific Society” Assam, India.
- Life Member of Indian Science Congress Association

- Life Member of SciRange publications, USA.
- Life Member of “Advances in Life Sciences “an International Scientific Research Journal
- Life Member of “Trends In Biosciences” an International Scientific Research Journal

Publications:

Papers: Published - 36

Accepted - 01

Communicated - 02

Editorial: 01

Books: 01

Articles Published in Book: 02

Abstracts: 14

Presentations: Paper- 02

Poster- 05

Certificate and Award:

- **Awarded certificate of Honour, D.G.P.G.College, Kanpur for securing highest marks in M.Sc. in C.S.J.M. Kanpur University in 2007.**
- **Certificate of Excellence by Biological Sciences Students Association of Nigeria (BIOSSAN)**

Skill Sets:

I have a basic knowledge of computers

Operating system : Windows 98, Windows 2007, 2010 etc.

Operating software : Ms word, Ms Excel, Ms powerpoint.

DECLARATION

I hereby declare that all above details are true to the best of my knowledge.

Place:

Date :

(Dr. SABINA KHANAM)

PUBLICATIONS:

- 1. Sabina Khanam (2020).** “ Toxicological effect of zinc on Liver of Broiler Chicks”. Egyptian Liver Journal, 10, 21. <https://doi.org/10.1186/s43066-020-00028-w> ISSN: 2090-6226. **Indexed in SpringerNature, SpringerOpen, Scopus, SCImago, EBSCO.**
- 2. Sabina Khanam (2019).** “ Behavioural Changes in Broiler Chicks Exposed to Carbaryl”. American Journal of Biomedical Science and Research, Vol-3(3), pp. 209-212, ISSN: 2642-1747. USA. **Indexed in Publons, Worldcat.**
- 3. Sabina Khanam (2019),** “Prevalence of HIV Infection Among Pregnant Women Attending Ajiko Medical Clinic, Damaturu, Nigeria”, Journal of Clinical Research in HIV AIDS and Prevention, Vol-3 Issue 4, pp. 7-9, ISSN: 2324-7339, USA.
- 4. Sabina Khanam (2019),** “A comparative study of some chemical components of various milk samples in Yobe State, Nigeria”. World News of Natural Sciences. **Vol. 23, pp: 104-109. EISSN: 2543-5426.**
- 5. Sabina Khanam and Bhola Khan (2018).** “**Prevalence** and Economic Impact of malaria in general Population of Damaturu, Nigeria”. British Journal of Pharmaceutical and Medical Research. **Vol. 3(5), pp: 1352-1358. ISSN: 2456-9836. Indexed in Springer link, Scopus, Elsevier, Web of Science, Thomson Reuters and UGC Approved. Impact Factor: 6.72.**
- 6. Sabina Khanam (2018).** “Pesticides and Endocrine disruption”. Archives of Endocrinology and Diabetes Care. Vol.1 (1). **ISSN: 2579-017X**
- 7. Sabina Khanam (2018).** “Impact of zinc on Thyroid metabolism”. Journal of Diabetes, Metabolic disorders and Control. Vol.5 (1), **ISSN: 2374-6947**
- 8. Sabina Khanam (2018).** “Impact of zinc on Immune Response”. Immunology: Current Research. Vol.2(1).

9. **Sabina Khanam (2017)**. “Impact of thyroid on liver metabolism”. *Endocrinology Research and metabolism*. Vol. 1 No. 2:6. pp: 1-2.
10. **Sabina Khanam (2017)**. “Effect of carbaryl on hemoglobin and hematocrit values of broiler chicks”. *Malaysian Journal of Medical Research*. Vol. 1(2), pp: 38-40. **ISSN: 2550-1607**.
11. Anjali Srivastava, Eshita Pandey and **Sabina Khanam (2017)**. “Effect of Thyroxine and Testosterone on body weight and gonad of gonadectomized and chemically thyroidec-tomized male Rain Quail (*Coturnix coromandelica*)”. *CARD International Journal of Med-ical Science and Applied Bioscience*. Vol. 2 (3). pp: 50-59. **ISSN: 2536-7331**.
12. **Sabina Khanam (2017)**. “Prevalence and Epidemiology of malaria in Nigeria: A Review”. *International Journal of Research in Pharmacy and Bioscience*, Vol. 4 (8). pp: 10-12, **ISSN: 2394-5885**.
13. **Sabina Khanam (2017)**. “Role of Antioxidants on immune system: A review”. *Proceedings of National seminar organized by Northwest University, kano, Nigeria*.
14. **Sabina Khanam** and Bhola Khan (2017). “Impact of Oil Spill on Environment, Human Health and Economy in Nigeria”. *CARD International Journal of Environmental Studies and Safety Research*. Vol. 2 (1). pp 59-67. **ISSN: 2536-7277**.
15. **Sabina Khanam (2017)**. “Impact of Stress on Physiology of Endocrine System and on Im-mune System: A review.”. *International Journal of Diabetes and Endocrinology*. Vol. 2 (3), pp: 40-42. **ISSN: p-2640-1363, 2640-1371 (online)**.
16. **Sabina Khanam (2016)**. “Body weight changes in broiler chicks fed different levels of zinc”. *Indian Journal of Science*. Vol.23 (86), pp:791-797.**ISSN: 2319-7730**.
17. **Sabina Khanam**, Eshita Pandey, Anjali Srivastava, (2016), “Environment Contaminants and Human Fertility”. *Biochemical and Cellular Archives*. Vol.16-supplement 1, pp.231-233, **ISSN:0972-5075**.
18. **Sabina Khanam**, Eshita Pandey, Anjali Srivastava, (2015), “**Cancer Preventive Role of Ellagic Acid- A Review**”, *Creative Journal of Pharmaceutical Research*, Vol. 1(4), pp. 151-155, **ISSN: 2395-4779**.
19. **Sabina Khanam**, R.K. Singh and Eshita Pandey (2015). Impact of carbaryl on lungs of broiler chicks. *World journal of pharma and pharmaceutical sciences*. Vol.4 (6): 446-450. **I.F.-5.2 ISSN 2278-4357. Indexed in SIS. Impact Factor: 7.4**.
20. Eshita Pandey, **Sabina Khanam** and Anjali Srivastava (2015). Impact on Behaviour and Serum Proteins of *Coturnix coromandelica* Induced due to Acute Photoperiodic Stress. In-

ternational Journal of Pure and Applied Bioscience. Vol.3(3):241-248. ISSN 2320-7051. UGC Approved. Impact Factor: 6.5, ISI Impact Factor: 1.68, UGC Approved.

21. **Sabina Khanam (2014)**. Heavy Metal Contamination and Health Hazards: A Review. Trends in Biotechnology and Biological Sciences. Vol. 1(1):5-8. ISSN 2394-5508.
22. Anjali Srivastava, Eshita Pandey and **Sabina Khanam (2014)**. Behavioral Effects of Mono Sodium Glutamate on Albino rats. International Journal of Biopharmaceutics. Vol.5(1): 47-49 I.F.-0.8. e-ISSN 0976-1047 Print ISSN 2229-7499.
23. Eshita Pandey, **Sabina Khanam** and Anjali Srivastava (2014). Influence of Temperature on the Behaviour and Serum Proteins in Quail (*Coturnix coturnix*). International Journal of Pharma Research and Health Sciences. VOL.2(2):138-144. ISSN 2348-6465. Indexed in SIS. Impact Factor: 0.039.
24. **Sabina Khanam**, Eshita Pandey, Amita Dixit and Anjali Srivastava (2013). Histopathological changes in the liver of broiler chicks fed different levels of carbaryl. Journal of medical sciences, Vol. 13(8): 847-850. DOI:10.3923/jms.2 013 ISSN 1682-4474. <http://scialert.net/current.php?issn=1682-4474>. Indexed in Scopus and Scimago. Impact Factor: 0.13.
25. Eshita Pandey, Anjali Srivastava and **Sabina Khanam (2012)**. Impact of Stress on Behaviour and Serum Proteins in Quail (*Coturnix coturnix*). Journal of Pharmaceutical and Biomedical Sciences. Vol.25 (25): 237-242. ISSN 2230-7885. Indexed in Elsevier, Scopus and Hinari.
26. **Sabina Khanam**, V.L.Saxena and Amita Dixit (2012). Impact of supplemental zinc on pathology of heart in broiler chicks. Advances in Applied Science Research. Vol.3 (3): 1423-1425.I.F.-2.9 ISSN 0976-8610. Indexed in Publons. Impact Factor: 3.52.
27. **Sabina Khanam**, Amita Dixit, Eshita Pandey and Anjali Srivastava (2012). Effect of carbaryl on organ weight of broiler chicks. Advance research in Pharmaceuticals and Biologicals. Volume-2(1), 73-78. I.F.-0.5 ISSN 2250-0774. UGC Approved. Indexed in Thomson Reuters. Impact Factor: 0.875.
28. Eshita Pandey, Anjali Srivastava, Amita Srivastava and **Sabina Khanam (2012)**. Influence of hypoxia on the behavior and serum proteins in Grey Quail (*Coturnix coturnix*). Advances in Life Sciences. Volume-1(1), 75-78. Print- ISSN 2278-3849 Online ISSN 2278-4705.
29. Anjali Srivastava, Eshita Pandey, Amita Srivastava and **Sabina Khanam (2012)**. Effect of Photoperiod and Pineal Extract on Body Weight and Gonads of Grey Quail, *Coturnix coturnix*. Advances in Life Sciences. Volume-1(1), 81-84. Print- ISSN 2278-3849 Online ISSN 2278-4705.

30. Anjali Srivastava, Eshita Pandey, Amita Srivastava and **Sabina Khanam (2012)**. Effect of Photoperiod and Pineal Extract on Organ Weights of Male and Female Grey Quail, *Coturnix coturnix*. Proceedings of Department of Higher Education U.P. sponsored Nat. Seminar in Zoology Deptt. Pt. Deendayal Upadhyay Govt. P.G. college, Lucknow.
31. **Sabina Khanam, Eshita Pandey, Amita Srivastava and Amita Dixit (2012)**. Medicinal Plants And Their Application For Human Welfare. Proceedings of Department of Higher Education U.P. sponsored Nat. Seminar in Zoology Dept. Pt. Deendayal Upadhyay Govt. P.G. college, Lucknow.
32. **Sabina Khanam (2011)**. Toxicological Effects of Carbaryl on Hematological profiles in Broiler Chicks. *International Journal of Pharma & Biosci.* V2 (1) , pp. 343-347. IF-2.95 ISSN 0975-6299. **Indexed in Elsevier , SCOPUS and ISI. Impact Factor: 7.291.**
33. **Sabina Khanam & V.L. Saxena (2011)**. Effect of Carbaryl Supplemented Feed on Biochemistry in Broiler Chicks. *Asian Jour. Of Experimental Sciences*, Volume 25, No.1. January 2011. **ISSN 0971-5444.**
34. **Sabina Khanam, V.L. Saxena, Amita Dixit and A.K. Saxena (2010)**. Effect of Zinc supplemented feed on behaviour of Broiler Chicks. *Trends in Life Sciences* 25(1), 19-22.
35. Amita Dixit, A. K. Saxena, V. L. Saxena and **Sabina Khanam (2010)**. Effects on Hematological parameters of Albino rats after fourteen days exposure to Calcium Nitrate fertilizer. *Trends in Life Sciences.* 25(1), 23-27.
36. **Sabina Khanam & V.L. Saxena (2010)**. Behavioral Effects of Carbaryl on broiler Chicks. Proceedings of UGC sponsored Nat. Sem. in Zoology Dept. D.G. College, Kanpur.

Editorial Published:

Sabina Khanam (2019). "Effect of Pesticide Exposure on Diabetes". *EC Diabetes and Metabolic Research.* 3(5),

Book Publications:

1. Sabina Khanam, (2017). "Toxicological Effect on Behaviour and Body weight of Broiler chicks exposed to Carbaryl and Zinc". **ISBN: 978-36-685607-4-1**, Published by Grin Publication, Germany.

Articles Published in Books:

1. **Sabina Khanam**, V.L. Saxena and Amita Dixit (2013). Effect of Carbaryl on Body weight of Broiler Chicks. Biodiversity and Environmental Biology: 33-39, ISBN: 978-93-82302-45-2.

2. Eshita Pandey, Anjali Srivastava, Amita Srivastava, Rachana Singh, Seema Pandey and **Sabina Khanam**(2013). Man is being Suicidal by Attenuation of the Biological World. Biodiversity and Environmental Biology: 55-62, ISBN: 978-93-82302-45-2.

Abstract Published in Proceedings:

1. **Sabina Khanam** (2018). Alternatives to Animal Experimentation in Toxicology: Challenges and Issues. Proceedings of National Conference on Alternatives to animal experimentation (NCAAE-2018) Organised by Jamia Hamdard, New Delhi.

2. **Sabina Khanam**, V.L.Saxena, Eshita Pandey and Amita Dixit. (2012). Effect of Carbaryl on Total Leucocyte Count in Broiler Chicks. Proceedings of Nat. Seminar in Zoology Dept. Pt. Deendayal Upadhyay Govt. P.G. college, Lucknow

3. **Sabina Khanam**, V.L.Saxena, and Amita Dixit. (2011). Effect of Carbaryl on Body weight of Broiler Chicks in 22nd All India Congress of Zoology and National Seminar Organised by Department Of Zoology, Lucknow University and Zoological Society of India, Bodh Gaya.

4. Anjali Srivastava, Eshita Pandey, Amita Srivastava and **Sabina Khanam** (2011) Effect of Photoperiod and Pineal extract on body weight and gonads of Grey Quail (*Coturnix coturnix*). Proceedings of National Symposium organized by Indian Institute of Pulses Research (IIPR), Kanpur.

5. Eshita Pandey, Anjali Srivastava, Amita Srivastava and **Sabina Khanam**. (2011), Influence of Hypoxia on the behavior and serum proteins in Grey Quail (*Coturnix coturnix*).

6. Eshita Pandey, Anjali Srivastava, Amita Srivastava, Rachana Singh, Seema Pandey and **Sabina Khanam**. (2011), Man is being suicidal by attenuation of the biological world. Pro-

ceedings of 22nd All India Congress of Zoology and National Seminar Organised by Department Of Zoology, Lucknow University and Zoological Society of India, Bodh Gaya.

7.**Sabina Khanam**, Amita Srivastava and Eshita Pandey (2011) Status of Medicinal Plants in a present Scenario. Proceedings of UGC Sponsored National Seminar organized by Deptt. Of Botany, D.B.S. College, Kanpur.

8.**Sabina Khanam** and V.L.Saxena. (2011), Water Pollution and Health Hazards. Proceedings of UGC sponsored Nat. Sem. in Zoology Deptt.B.N.D.College, Kanpur.

9.**Sabina Khanam** and K. Mittal. (2011), Health hazards of heavy metal contamination. Proceedings of UGC sponsored Nat. Sem. in Zoology Deptt.B.N.D.College, Kanpur.

10.Amita Srivastava, K. Mittal and **S. Khanam**. (2011), Heavy metal contamination in soil and water .Proceedings of UGC sponsored Nat. Sem. in Zoology Deptt.B.N.D.College, Kanpur.

11.**Sabina Khanam** and V.L.Saxena (2010) Behavioral effects of carbaryl on broiler chicks. Proceedings of UGC sponsored National seminar organized by deptt. Of Zoology, D.G. College, Kanpur.

12.**Sabina Khanam** and Amita Dixit. (2010) Effect of Carbaryl supplemented feed on biochemistry of Broiler chicks. Proceedings of National Conference organized by Indian Science Congress Association Bangalore Chapter.

13.**Sabina Khanam** and Amita Dixit. (2008) Effect of Zinc supplemented food on body weight of Broiler chicks. Proceedings of 22nd National symposium organized by Deptt. Of Zoology P.A.U., Ludhiana.

14.Amita Dixit, **Sabina Khanam** and Nazia Ashraf. (2008) Impact of commonly used Fertilizer Diammonium Phosphate on Liver in Albino rat. Proceedings of 22nd National symposium organized by Deptt. Of Zoology P.A.U., Ludhiana.

COURSE TAUGHT:

BIO-3311- GENETICS

BIO-3305- INTRODUCTORY MICROBIOLOGY

BIO-2304- INTRODUCTION TO ENVIRONMENT AND WORLD ECOSYSTEMS

ZOO-4207- EMBRYOLOGY

ZOO-4312- INTRODUCTION TO AQUACULTURE AND FISHERIES

ZOO-4310- HUMAN BIOLOGY