

PROFESSOR. MD. SULTAN AHMAD

Department of Zoology

S.N. (P.G) College. Azamgarh

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Experience

Total work experience: 20+ years

As Assistant Professor in S.N. (P.G) College. Azamgarh (From 2001 to 2013)

Associate Professor from Dec. 2013 to October 30, 2021.

Professor from November 1, 2021 till date

- Associated with teaching of Under Graduate(B Sc) and Post Graduate (M.Sc.Previous and Final) courses at Shibli National Post Graduate College Azamgarh (From 2001 to Till today)

Research Project Completed

A- Young Scientist Project – Sponsored by Department of science and Technology (DST No.SR/FT/L-135/2006), New Delhi. → **Approved**
Rs.1032000=00, 2006-2009.

Major Research Project –“ Anticarcinogenic potential of Withania somnifera (Ashwagandha), Accanthus, moringa citrifolia(Noni) and Actinidia chinesis(Kiwi) and other extracts used as traditional medicine in India” Sponsored by University Grant Commissions (UGC F.No.42-500/2013(SR)), New Delhi→ **Approved Rs.1311800=00, 2013-2016**

List of BookPublication

1. “**Amelioration of Genotoxic Damage by Natural Bioactivators**” M.Sultan Ahmad and Sheeba. LAMBERT ACADEMIC PUBLICATION (LAP), Germany (ISBN No. 978-3-8484-0097-3)
2. “**CANCER AND AYURVEDIC RESEARCH**” M.Sultan Ahmad and Sheeba. LAMBERT ACADEMIC PUBLICATION (LAP), Germany (ISBN No. 978-3-8433-

9300-3).

Chapters in Books Published

1. “Naringenin as a Potential Medicinal Compound”. **Md. Sultan Ahmad**, Sheeba Ahmad, Afsar Ali, Asif Jafri, Sahabjada and M. Arshad. **In: Nutrition and Health (ISBN: 978- 93-83083-59-6)**. Edited by M. Serajuddin, M.Arshad, Ankur Kashyap. 2014; p73-77.
2. Antioxidant, Osteogenic, Antimicrobial and Nutritional Potential of *Moringa oleifera*”. Sahabjada, **Md. Sultan Ahmad**, Sheeba Ahmad, Asif Jafri, Afsana Khatoon, Ankur Kashyap and M. Arshad. **In: Functional Biology and Biotechnology (ISBN: 978-93-83083-58-9)**. Edited by M. Serajuddin, Madhu Tripathi, M.Arshad, 2014; p 94-96.
3. “Peprin as a Potential Anti-Cancer Drug: A review”. Asif Jafri, Sahabjada, M. Arshad, Sheeba Ahmad, Amina Jafri and **Md. Sultan Ahmad**. **In: Functional Biology and Biotechnology (ISBN: 978-93-83083-58-9)**. Edited by M. Serajuddin, Madhu Tripathi, M.Arshad, 2014; p114-116.

Ph.D Thesis Awarded Under My Supervision

1. “**Analysis of Anticarcinogenic Potential of Some Herbal products used as traditional Medicine in India.**” By Rakesh Kumar Yadav in Nov.2012. Awarded
2. “**Protective action of Withania somnifera (ashwagandha), Sulforaphane (Broccoli sprout and Cabbage) and other Ayurvedic products against Aflatoxin-induced genotoxicity: A study in the *in vitro* and *in vivo* System**”. By B.R.Gautam in

Jan.2013. **Awarded**

List of Research Paper Publication

1. Siddiqui S, Zia Q, Abbas M, Verma S, Jafri A, Misra D, Luqman S, Ahmed M, **Ahmad MS** and Arshad M (2021). Antiproliferative activity of *Cissus quadrangularis* L extract against Human Cervical Cancer cells: in vitro and in silico analysis. **Anticancer Agents in Medicinal Chemistry**, 21, 1-10.
ISSN: 1871-5206 (P)/1875-5992(Web), IF. 2.505
2. **Ahmad MS**, Siddique S, Ahmad S, Arshad M, Afzal M (2014). Mechanism of antiproliferative and apoptotic activity of Naringin using ROS, DNA fragmentation and cell cycle kinetics as biomarkers in human epidermoid carcinoma A431 cell line. **PloS One**. Volume 9(10). e110003. (ISSN 19326203), **IF: 2.766**.
3. **Ahmad S**, Huda A, Afzal M. Additive action of vitamins C and E against hydrocortisone-induced genotoxicity in human lymphocyte chromosomes. International Journal of Vitamin and Nutrition Research 2002; 72(4): 2004-209. (ISSN 0300-9831), **IF: 1.28**
4. **Ahmad MS**, Sheeba and Afzal M. Amelioration of genotoxic damage by certain phytoproducts in human lymphocyte cultures. Chemico-Biological Interactions 2004; 149: 107-115. (ISSN. 0009-2797), **IF: 2.969**
5. **Ahmad MS**, Ahmad S, Ali A, Afzal M. Does *Caesalpinia bonducella* ameliorate genotoxicity? An *in vitro* study in human lymphocyte culture and *in vivo* study in Albino mice. Egyptian Journal of Medical Human Genetics 2013;14(3): 247–257. (ISSN: 1110-8630)
6. **Ahmad MS**, Ahmad S, Gautam B R, Afzal M. Antigenotoxic and anticlastogenic potential of *Agaricus bisporus* against MMS induced toxicity in human lymphocyte cultures and in bone marrow cells of mice. Egyptian Journal of Medical Human Genetics 2013; 14: 395–402. (ISSN: 1110-8630)

7. **Ahmad MS**, Ahmad S, Gautam B R, Arshad M, Afzal M. *Terminalia arjuna*, a herbal remedy against environmental carcinogenicity: An *in vitro* and *in vivo* study. Egyptian Journal of Medical Human Genetics (2014); 15: 61–67 (**ISSN: 1110-8630**)
8. **Ahmad MS**, Ahmad S, Arshad M, Afzal M. *Andrographia paniculata* a Miracle Herbs for cancer treatment: In vivo and in vitro studies against Aflatoxin B1 toxicity. Egyptian Journal of Medical Human Genetics (2014); 15: 163–171 (**ISSN: 1110-8630**)
9. **Ahmad MS**, Ahmad S, Arshad M, Afzal M. *Terminalia catappa*, an antigenotoxic agent against MMS induced genotoxicity in the human lymphocyte culture and in bone marrow cells of albino mice. Egyptian Journal of Medical Human Genetics; (2014) **15**, 227–233 (**ISSN: 1110-8630**)
10. **Ahmad, M S**. Bano, S. Anwar, S. Cancer ameliorating potential of *Phyllanthus amarus*: In vivo and in vitro studies against Aflatoxin B1 toxicity. The Egyptian Journal of Medical Human Genetics (2015), 16: 343- 353, (**ISSN: 1110-8630**)
11. **Ahmad MS**, Ahmad S, Afzal M (2016). Anticarcinogenic and antimutagenic activity of *Alstonia scholaris* on the Albino mice bone marrow cells and peripheral human lymphocyte culture against Methyl methane sulphonate induced genotoxicity. Advanced Biomedical Research. 2016; 5: 92. (**E-ISSN, 2277-9175**):doi: **10.4103/2277-9175.183140, PMID: PMC4908792**
12. Siddique S, **Ahmad MS**, Jafri A, Arshad M, Afzal M (2017). Piperine triggers apoptosis of human oral squamous carcinoma through cell cycle arrest and mitochondrial oxidative stress. Nutrition and Cancer, 69, 791–799 **IF. 2.322**
13. Jafri A, Siddiqui S, Rais J, **Ahmad MS**, Kumar S, Jafar T, Afzal M, Arshad M (2019). Induction of apoptosis by Piperine in human cervical adenocarcinoma via ROS mediated mitochondrial pathway and caspase-3 activation. EXCLI Journal, 18: 154–164, ISSN 1611- 2156, **IF. 2.424**
14. **M.S. Ahmad**, Sheeba and M.Afzal. Curcumin as an antigenotoxic agent against norgestrel induced chromosomal aberrations. Bionotes. (2004)6(2). 53 (**ISSN 0972-1800**)

15. Sheeba and **M.S. Ahmad**. Observation of cell growth kinetics after norgestrel exposure and the protective effects of curcumin in culture.. Bionotes. (2004).6(3). 107. (ISSN **0972- 1800**)
16. **M.S. Ahmad**, Sheeba, and M.Afzal.Protective action of vitamins of B complex and C against steroid induced genotoxic damage in human lymphocyte *in vitro*. Proc.Nat.Acad.Sci.India, (2007), 77(B), IV, 357-368. (ISSN **0369- 8211**)
17. **M.S.Ahmad**; Sheeba; Afsar Ali. Evaluation of antigenotoxic potential of genistein against AflatoxinB₁-induced genotoxicity in the bone marrow cell of albino mice. J.Appl.Zool.Res. (2008). 19(1): 93-99.(ISSN **0970- 9304**)
18. Sheeba; **M.S.Ahmad**; Afsar Ali; Serajuddin Khan and B.R.Gautam. *In vitro* Antimutagenic effects of carotenoids and ascorbic acid against mutagenicity of the cyclophosphomide. J.Appl.Zool.Res. (2009), 20(1): 49-54. (ISSN **0970- 9304**)
19. **Md. Sultan Ahmad**, Mrs.Sheeba, A.Ali, Rakesh Yadav, B.R.Gautam.Anti-mutagenic effects of Flavonoids in Human Lymphocytes Culture. Trend in Bioscience. (2009). (2), 27-30. (**0974- 8431**)
20. Mrs.Sheeba, **Md. Sultan Ahmad**, A. Ali; B.R.Gautam and Rakesh Yadav. Anti-genotoxic effects of Vitamin B-complex on Hydrocortisone induced genotoxicity in Human Lymphocyte Cultures. Trend in Bioscience. (2010). (3), 19-21. (**0974- 8431**)
21. **M. S. Ahmad**, Sheeba, K. B. Rai and A. Ali. Is *Accanthus ilicifolius* a potent anticarcinogen against Hydrocortisone-induced genotoxicity? Study in human peripheral lymphocytes cultures. Advances in Life Sciences. (2012). 1; 25- 28.(ISSN **2278- 3849**)
22. **Md. Sultan Ahmad**, Mrs. Sheeba, B. R. Gautam, and Afsar Ali. Antigenotoxic potential of *Actinidia chinensis*: Studies in the *in vitro* and *in vivo* experimental model. Advances in Life Sciences. (2012). 2; 118- 123.(ISSN **2278- 3849**)
23. **Md.Sultan Ahmad**, **Sheeba**, A. Ali and K. B. Rai. Cancer preventive Effect of *Morinda citrifolia* (Noni) fruit juice against the AflatoxinB₁-induced genotoxicity in human peripheral lymphocytes *in vitro*. IOSR Journal of Pharmacy; 2012, 2(2): 228-234.(ISSN: **2250-3013**)

24. **Md. Sultan Ahmad**, Sheeba, Afsar Ali and Rakesh Yadav. Evaluation of Antigenotoxic Potential of Ellagic acid Against Aflatoxin B₁-induced Genotoxicity. Ind.J Fundamental and Applied Life Sciences. (2012), 2 (1): 177-184; (ISSN: 2231-6345)
25. **Ahmad MS**, Ahmed S. Incidents of decompression illness among SCUBA divers: A review. Council for Innovative Research: Journal of Advances in Medicine. (2014), 1(1); 10-18
26. **Md Noman Alam, NP Sahu, Md Sultan Ahmad (2015)**. Epidemiological studies on hospital based incidence of Japanese encephalitis in the Jharkhand state of India. **Journal of Research in Biology; 5(1): 1611-1618.**
27. Bano S, Ahmad MS (2021). Observation of counter genotoxic potential of Apigenin in the bone marrow cells of Albino mice. **Res. J. Agril. Sci**, 12(3), 937-941. ISSN: 0976-1675(P)/2249-4538(Web).
28. Bano S, Ahmad MS (2021). Anticarcinogenic potential of Ashwagandha: An *in vivo* Study. **Res. J. Agril. Sci**, 12(2), 720-726. ISSN: 0976-1675(P)/2249-4538(Web).
29. Bano S, Ali, A, **Ahmad MS** (2021). *Withania somnifera*- a potent anticarcinogen: *In vitro* Studies. **J. Exp. Zool. India**, 24(2). 1077-1082 ISSN: 0972-0030(P)/0976-1780(E).
30. Mishra S, Bano S, **Ahmad MS** (2021). Environmental Xenobiotic induced genotoxicity and counter genotoxic potential of Centella asiatica (Brahmi) extracts. **J. Exp. Zool. India**, 24(2).1063-1066, ISSN: 0972-0030(P)/0976-1780(E).
31. **Ahmad MS**, Ali A (2019). Sulforaphane reduced genotoxicity of Aflatoxin B₁ in human lymphocyte culture. **Ind. J. Appl. Res. 9(8)**. ISSN: 2249-555X (P).
32. **Ali A, Ahmad MS (2019)**. *Alstonia scholaris* effects on peripheral human lymphocyte culture against MMS induced genotoxicity. **Ind. J. Appl. Res. 9(8)**. ISSN: 2249-555X (P).

ACHIEVEMENTS

- **Fellow Award-Zoological Society of India, 2014**
- **Senior Scientist Gold medal Award (ZSI)-2014, Haridwar**

- **National Merit Scholarship from Intermediate onward.**
- **State Level Bihar Eligibility Test for lectureship (BET). 1996**
- **Junior Research Fellow/National Eligibility Test for Lectureship (JRF/NET) by CSIR, 1998**
- **Senior Research Fellow (SRF) by CSIR, 2001**
- **SERC Young Scientist Research Project (DST), 2006.**
- **UGC Major Research Project, 2013**
- **Life time member of ADNAT**
- **Life member “Indian Science Congress”**
- **Life member “Cell Society of India”**
- **Life member “Advances in Life Sciences”**
- **Life member “Trends in Biosciences”**

Seminar / Conference Organized

Organizing Secretary- National Conference on “Impact of xenobiotics on human health and biodiversity”, 2-3 Nov.2014

Organizing member –International Conference on “Faunal Biodiversity and their Conservational Strategies” by Lucknow University on 22-23 March, 2014.

Organizing member- National Conference on “Impact of Global Warming and Climate Change on Diversity: The Challenge of Conservation of Flora and Fauna. On Feb.21-22, 2012.RHSPG College, Sigra mau, Jaunpur (UP).

Seminar / Conference / Workshop / Orientation / Refresher Attended

1. DBT sponsored workshop on – “ Bioinformatics tools in biology research”, 9 to 10th March 2004, A.M.U. Aligarh
2. U.G.C Sponsored Orientation Course – 22.07.02 to 18.08.02, Academic Staff College A.M.U. Aligarh.
3. U.G.C. Sponsored Refreshers Course 02.08.04 to 21.08.04. Academic Staff College, H.P. University Shimla (H.P.)
4. U.G.C Sponsored Refresher Course – 14.10.2010 to 03.11.2010, Academic Staff College A.M.U. Aligarh.
5. U.G.C Sponsored Refresher Course – 03.05.2011 to 24.05.2011, Academic Staff College A.M.U. Aligarh.
6. National Conference on Environmental Management and Legislation- sponsored by UGC, New Delhi. On Feb.27-28, 2008.
7. Group Monitoring Workshop – by DST-New Delhi on May 15-16, 2009. At SGPGI Medical college, Lucknow, INDIA.
8. First Annual National Symposium of the Muslim Association for the Advancement of Science. “Frontiers in life sciences: Basic and Applied.” On OCT.23-24, 2010. At AMU, Aligarh.
9. Seminar-cum-Workshop on “Implementation of Sachar Committee Recommendations” on 21st November 2011.
10. National Conference on “Impact of Global Warming and Climate Change on Diversity: The Challenge of Conservation of Flora and Fauna. On Feb.21 -22, 2012. RHSPG College, Sigraamau, Jaunpur (UP).
11. National Seminar on “Emerging Trends in Physical and Biological Sciences” by NASAI at SNC, Azamgarh, on 9-10 Nov.2013
12. National Symposium on Lead Awareness by KGMI, Lucknow on October 8, 2013.
13. Annual Conference of Indian Science Congress Jammu on Feb.03 to 07, 2014.

14. International Conference on “Faunal Biodiversity and their Conservational Strategies” by Dept of Zoology, Lucknow University on 22-23 March, 2014.
15. National Conference on “Biotechnology and Human Welfare: New Vistas” by Dept. of Biotechnology, VBS Purvanchal University, Jaunpur on 21-23 March, 2015.

Education

	EXAMINATIONS	YEAR	DIVISION(%)	BOARD/UNIVERSITY
1	Ph.D. (Zoology)	2004	Awarded	Aligarh Muslim University
2	M.Sc. (Zoology)	1993	I st 69.30%	T.M. Bhagalpur.University
3	B.Sc. (Hons)	1991	I st 61.00%	-do-
4	Intermediate	1988	II nd 58.60%	-do-
5	High School	1986	I st 76.30%	B.S.S.E.B. Patna

Field of Specialization: Cyto-Genetics and Endocrinology

Member of Editorial Board Scientific Journals

1. **Editor in the Editorial Board of Advances in Life Sciences for the year 20013-2015.**
2. **Editor in JOURNAL OF RESEARCH IN ANIMAL SCIENCES, an international open access journal.**

Abstract In The Seminar And Conference

1. M.AFzal, B.Doza, **M.S. Ahmad**, and GGHA Shadab (2001) consequences of cousanguinity on quantitative traits. XXVI Annual conference of the Indian society of Human Genetics: Human Genome and Beyond. CCMB.
2. **M.S. Ahmad et al (2008)**. Evaluation of antigenotoxic potential of sulforaphane against Aflatoxin – induced genotoxicity in the bone marrow cell of Albino mice. (p.5).National Conference,(UGC Sponsored, at SN(PG) College).

3. **M.S. Ahmad et al (2007).** Evaluation of antigenotoxic potential of Genistein against Aflatoxin B1 induced genotoxicity in the bone marrow cells of Albino mice.(p-A28). in seminar at Gorkhpur Univ.(2007).
4. **M.S. Ahmad et al (2010).** Protective action of Sulforaphane against Aflatoxin B1 induced genotoxicity: a study in the in vitro and in vivo system. (P-25).Symposium, MAAS, AMU,Aligarh.(2010).
5. **M.S.Ahmad et al (2010).** Is Withania somnifera (Aswgandha), a promising Ayurvedic medicant for cancer treatment: A study in the in vivo system (P-26).Symposium, MAAS, AMU,Aligarh.(2010).
6. **M.S.Ahmad et al (2012).**Protective effect of Accanthus ilicifolius(Acanthaceae) against Hydrocortisone-induced genotoxicity in human peripheral lymphocytes iv vitro. (p-78). In Confrence at Sigr Mau, Jaunpur.
7. **M.S.Ahmad et al (2012).**Evaluation of antigenotoxic potential of Actinidia chinesis (Kiwi) against Aflatoxin B1-induced genotoxicity. (p- 79). In Confrence at Sigr Mau, Jaunpur.
8. **M.S. Ahmad et al.** “Naringenin as a Potential Medicinal Compound”. March 22-23, 2014; NHP21-p192.In: International Conference on Faunal Biodiversity and their Conservational Strategies”. Organized by Department of Zoology, Lucknow University.
9. Sahabjada, **Md. Sultan Ahmad**, Sheeba Ahmad, Asif Jafri, Afsana Khatoon, Ankur Kashyap and M. Arshad. Antioxidant, Osteogenic, Antimicrobial and Nutritional Potential of *Moringa oleifera*”. March 22-23, 2014; NHP22-p193.In: International Conference on Faunal Biodiversity and their Conservational Strategies”. Organized by Department of Zoology, Lucknow University.
10. Asif Jafri, Sahabjada, M. Arshad, Sheeba Ahmad, Amina Jafri and **Md. Sultan Ahmad**. “Peprin as a Potential Anti-Cancer Drug: A review”. March 22-23, 2014; FBPO40-p139.In: International Conference on Faunal Biodiversity and their Conservational Strategies”. Organized by Department of Zoology, Lucknow University.

1	Evaluation of antigenotoxic potential of sulforaphane against Aflatoxin – induced genotoxicity in the bone marrow cell of Albino mice. (p.5).2008	National Conference on Environmental Management and Legislation/SNC Azamgarh	SNC	UGC
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2	Protective action of Sulforaphane against Aflatoxin B1 induced genotoxicity: a study in the in vitro and in vivo system. (P-25)	"Frontiers in life sciences: Basic and Applied." On OCT.23-24, 2010	AMU Aligarh	MAAS, Aligarh
3	Protective effect of <i>Accanthus ilicifolius</i> (Acanthaceae) against Hydrocortisone-induced genotoxicity in human peripheral lymphocytes iv vitro. (p-78)	Impact of Global Warming and Climate Change on Diversity: The Challenge of Conservation of Flora and Fauna. On Feb.21-22, 2012	RHS PG College, Sigranau	UGC
4	"Naringenin as a Potential Medicinal Compound". March 22-23, 2014; NHP21-p192.	International Conference on Faunal Biodiversity and their Conservational Strategies	Lucknow University	UGC/UP- CST
5	"Impact of xenobiotics on human health and biodiversity" Keynote Lecture	"Impact of xenobiotics on human health and biodiversity" 2014	SNC	UP,CST
6	"Constituents of peel extract of <i>Punica granatum</i> L. cultivar by GC-MS and their biphasic effect on osteoblast differentiation and bone formation."	"Impact of xenobiotics on human health and biodiversity" 2014	SNC	UP,CST
7	Lecture on "Cancer"	"Emerging Trends in Physical and Biological Sciences"2013	SNC, Azamgarh	NASAI,Allaha bad
8	"Piperine triggers apoptosis of Human Oral squamous carcinoma through cell cycle arrest and Mitochondrial oxidative stress"2014	Threat to biodiversity and ecosystem: impact on developmental projects and climate change and 25 th AICZ.	GK Vishwa vidyalaya Haridwar	ZSI,UG C
9	"Evaluation of antigenotoxic potential of <i>Actinidia chinensis</i> (KIWI) against Alatoxin B1-induced genotoxicity."2015	Biotechnology and Human Welfare: New Vistas-2015	VBS Purvanchal University, Jaunpur,	DST

10	"Anticarcinogenic and antimutagenic activity of <i>Alstonia scholaris</i> on the Albino mice bone marrow cells and peripheral human lymphocyte culture against MMS induced genotoxicity" 2018	Advances in Biological and Environmental Research for Human welfare (ICABERHW-2018)	DDU Gorakhpur University, UP	ICAR
11	"Ashwagandha, a potent anticarcinogen: in vivo and in vitro studies".2021	Socio-economic and environmental issues and challenges in current pandemic situation (NSSEE-2021)	SGN Govt. PG College, Mau, UP	UP,DHE
12	"Study of counter genotoxic potential of Apigenin in the bone marrow cell of Albino Mice."2021	Recent trends in Zoological sciences	UP College, Varanasi	DBT

Personal Information

Date of Birth 19 Nov. 1971

Nationality Indian

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Marital status Married

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I hereby declare that all the above given information is true up to my knowledge & belief.

(DR.MOHD.SULTAN.AHMAD)