

## **Biodata of Dr Kanwaljit Kaur Ahluwalia**

Name: Kanwaljit Kaur Ahluwalia

Qualifications: M.Sc. Zoology (Gold Medalist), M. Phil. (Pbi. U.), Ph. D. (PU)

Fellowship: CSIR- JRF, SRF, RA

Date of Birth: 04.04.1958 (63 yrs.)

Address: 1260, Sector 90, Mohali-140308 (Punjab)

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Nationality: Indian

Last Service: Associate Professor, Government College, Mohali (Pb.)

**Teaching Experience:** 25 yrs.

**Research Experience:** 10yrs.

### **Professional/ Academic Experience:**

Research Associate (CSIR): 1990-1993

Deptt of Zoology, Panjab University, Chandigarh-160014,

Lecturer, Senior Scale, Selection grade in Government Colleges in Punjab from 1993 to 2007

Associate Professor, Government College, Ropar from 2007 -2010

Associate Professor, Government College, Mohali from 2010 -2018

### **Membership of Academic/ Professional Bodies:**

Member, Academic Council, Punjabi University, Patiala (Feb 2016 onwards)

Member, Faculty of Life Sciences, Punjabi University, Patiala (Feb 2015 onwards)

Member, Board of UG Studies in Zoology, Punjabi University, Patiala (May 9, 2013-Dec. 31, 2014; Jan. 20, 2015- Dec. 31, 2016)

Coordinator, UGC Committee, Govt College, SAS Nagar, Mohali (Oct. 2010 -2018)

Convenor, Admission Committee for B Sc I, II and III in Medical, Biotechnology and Computer Application disciplines, Govt. College, SAS Nagar, Mohali (Session 2013 onwards)

Convenor, Prize purchase and distribution Committee for Annual Prize Distribution Function, Govt. College, SAS Nagar, Mohali (Session 2011 onwards)

Member, Anti Ragging and Women Cell, Govt. College, SAS Nagar, Mohali (Session 2011 onwards)

Member of Disciplinary Committee,

Incharge, Time Table Committee (Science)

Incharge, Youth Festival Registration Committee, Govt. College Ropar.

**Life Member of Professional/ Academic Societies:**

Life Member, Environment Mutagen Society of India

Life Member, All India Congress of Cytology and Genetics, Kalyani University, Kalyani

Life Member, Indian Association of Biology Teachers, Patiala.

Member, PU Zoological Society, Panjab University, Chandigarh

Member, Zoological Society, Punjabi University, Patiala

Life Member, Panjab University Alumni, Chandigarh.

**Expert/ Advisor/ Member Selection Committees:**

- a. Conducting interviews of Combined Graduate Level Examination 2014, Staff Selection Commission (North Western Region), Govt of India, Kendriya Sadan, Sector 9A, Chandigarh, January 15, 2015.
- b. Recruitment of Assistant Plant Protection Officer (Entomology/Nematology), Staff Selection Commission (North Western Region), Govt of India, Kendriya Sadan, Sector 9A, Chandigarh, January 31, 2015.
- c. Selection of NTSE scholars, Govt. of India SCERT, Sector 32, Chandigarh
- d. DPI Nominee/subject expert for selection of Lecturers college cadre for Punjabi and Panjab Universities.

**Administrative Experience:**

Coordinator, Industrial Fish and Fisheries (Vocational Course) Govt. College, Ropar (PB.)

Head, Zoology Department, Govt. College, Ropar, Govt. College, Mohali.

**Lectures delivered:**

- a. Delivered an Invited lecture on, "DNA Fingerprinting", Govt. College, Mohali 2019
- b. Lectures delivered at EDUSAT:
  - i. Non allelic gene interactions
  - ii. Tape Worm- type study
  - iii. Nucleus- Structure and function of Nuclear envelope, nucleolus and chromosomes
  - iv. *Ascaris*- type study
- c. Lectures delivered at IAS and other Competitive Exams Centre, PU, Chandigarh (2013 onwards):

- d. Cell Structure and Division
- e. Animal Tissues
- f. Taxonomy-Classification of Animal Kingdom

#### **Papers Presented in Conferences:**

1. **Ahluwalia, K K** 2016. Histological Early Events in the Regeneration of Skeletal Muscle after Mincing, 10<sup>th</sup> Chandigarh Science Congress, Feb. 29- March 2, 2016, Panjab University, Chandigarh.
2. **Ahluwalia, K K** 2016. Toxicity of heavy metal compounds. National Conference on, "Recent Advances in Chemical, Biological and Environmental Sciences, Feb. 19-20, 2016, M M Modi College, Patiala, Punjab.
3. **Ahluwalia, K K** 2016. Dominant lethal mutations induced by nickel compounds, 19<sup>th</sup> Punjab Science Congress, Feb. 7-9, 2016, SUS Group of Institutions, Tangori, SAS Nagar (Mohali), Punjab.
4. **Ahluwalia, K K** 2015 Determination of LD<sub>20</sub> values of some heavy metals in mosquito system. 9<sup>th</sup> Chandigarh Science Congress, (CHASCON 2015), Feb 25-27, 2015, Panjab University, Chandigarh.
5. **Ahluwalia, K K** 2015. Clastogenic effect of two derivatives of toluene on polytene chromosomes in Mosquito *Anopheles stephensi*, 18<sup>th</sup> Punjab Science Congress, Feb 7-9, 2015, Desh Bhagat University, Mandi Gobindgarh, Punjab.
6. Ahluwalia, K K 2015. Genotoxic effect of N-oxidised derivatives of O-toluidine on polytene chromosomes of *Anopheles stephensi*, national Conference on, "Recent Advances in Chemical, Biological and Environmental Sciences", Jan 30-31, 2015, MM Modi College, Patiala.
7. Ahluwalia, K K 2013. Mutagenic potential of Nickel nitrate in mosquito *Culex fatigans*, National Conference on, "Recent Advances in Chemical and Environmental Sciences", Jan 30-31, 2013, MM Modi College, Patiala.
8. Ahluwalia, K K 2010. Genotoxicity of two derivatives of p-aminobenzoic acid in mosquito system. International Symposium on "Mutagens and Genetic Diversity for Health and Agriculture", March 12-14, 2010, Panjab University, Chandigarh.
9. Ahluwalia, K K 2010. Effect of methyl-p-nitrobenzoate and methyl-p-nitrosobenzoate on the polytene chromosomes of *Anopheles stephensi*. 13<sup>th</sup> Punjab Science Congress, Feb 7-9, 2010, Panjab University, Chandigarh.

#### **Workshops/ Refresher courses/ Orientation courses attended:**

1. Orientation course,
2. Refresher course
3. Capacity Building Workshop on, "To generate innovative ideas and knowledge- A step towards interdisciplinary approach", Sponsored by RUSA and organized by Department of Higher Education, Chandigarh Administration, Feb.20-26, 2016, held at Post-graduate Government College for Girls, Sector 42, Chandigarh.

4. Department of Biotechnology, Govt. of India sponsored Hands on Training workshop on “Molecular biology and Cytogenetic Techniques”, Dec. 3-15, 2012, Punjab State Council for Science & Technology, Chandigarh and Genetic Centre, Govt Medical College and Hospital, Sector 32, Chandigarh.
5. UGC sponsored sensitisation Workshop on “Capacity Building of Women Managers in Higher Education” Centre for Women studies and Development, Feb 1-6, 2008, Panjab University, Chandigarh.

**Social /Charitable Activities:**

- a. Free PMT coaching classes for needy students, organized by Sikh Missionary College, Punjab and Managing Committee, Guru Tegh Bahadur Gurdwara Sahib, Sector 34, Chandigarh (1995-2015)
- b. Free PMT coaching classes for needy rural students, organized by Bhai Jaita ji Foundation, Sector 28, Chandigarh (2015).

**Publications:**

Bhatia K. K., Puri, S., Kaur, R., Ahluwalia, K. K. and Ahluwalia, A. S. 2016. Efficacy of *Spirulina* as Hepatoprotectant: A review, *Vegetos-An International Journal of Plant Research*, 29:129-136.

Ahluwalia, K. K. 2014. Mutagenic potential of nickel nitrate in mosquito *Culex fatigans*. In *Science, Technology and Environment: Perspectives and Trends*. Eds. A. S. Ahluwalia and R. Gaur, Panjab University, Chandigarh. Pp. 13-16.

Ahluwalia, K K 2012. Effect of methyl-p-nitrobenzoate and methyl-p-nitrosobenzoate on the polytene chromosomes of *Anopheles stephensi*, *Journal Punjab Academy of Science* **9-10**:20-22.

Malik, S P, Ravneet, Sharma, M L and Ahluwalia, K K 2011. SEM study of *E. coli* K12 cultured in media containing brewed green tea extract. *Journal of Punjab Academy of Science* **7-8**:59-61.

Sharma, G.P., Sobti, R.C., Chaudhry, A. and Ahluwalia, K.K. (1989). Chromosomal aberrations and dominant lethals in *Culex fatigans* due to mercuric chloride. *Cytobios.*, 59: 131-135.

GP Sharma, A Chaudhry, RC Sobtii, M Dhar, KK Ahluwalia 1989. Effect of mitomycin-C on the genetics of *Culex fatigans* (Diptera: Culicidae). *La Kromosoma* II, 58: 1949-1954.

Sharma, G.P., Chaudhry, A. and Ahluwalia, K.K. (1989). Mutagenic activity of two nickel compounds in *Culex fatigans* (Culicidae: Diptera). *Perspectives in Cytology and Genetics*, 6: 555-565.

Sharma, G.P., Sobti, R.C., Chaudhry, A. and Ahluwalia, K.K. (1988). Genotoxicity of two heavy metal compounds lead acetate and mercuric chloride in *Anopheles stephensi* Liston (Diptera: Culicidae). *Cytologia*, 53: 263-267.

Sharma, G. P., Sobti, R. C., Chaudhry, A., Ahluwalia, K. K. and Gill, R. K. 1987. Effect of some nickel compounds on the chromosomes of mice and mosquitoes. *La Kromosomo* II, 5:1423-1432.

Cytologia 52:841-846 (1987)

Sharma, G.P., Sobti, R.C., Chaudhry, A., Kaur, R., Ahluwalia, K.K. and Dhar, M. (1985). Effect of some environmental mutagens on the genome of selected invertebrate and vertebrate models including man. Environmental Mutagenesis Newsletter, pp. 26-28.

**Citations 21:** (Cytologia 53:263-267 (1988)-14, Cytologia 52:841-846 (1987)-4, Cytobios 59:131-135(1989)-3).