

BIO-DATA

Dr. (Smt.) Archana Srivastava



1. **NAME** : Dr. Archana Srivastava
2. **FATHER'S NAME** : Dr. Vidya Kant Srivastava
Principal (Retd.)
D.A-V. P.G. College, Kanpur
3. **DATE OF BIRTH** : 03.02.1965
4. **DATE OF JOINING** : 05.02.1991
5. **NATIONALITY** : Indian
6. **DESIGNATION** : Reader & Head of Department
7. **ORGANIZATION** : D.G. (P.G.) College, Kanpur
8. **OFFICE ADDRESS** : Dayanand Girls College, Kanpur,
13/294, Civil Lines, Kanpur-208001 (U.P.)
E-mail : contact@dayanandgirlp.g.college.org
9. **RESIDENTIAL ADDRESS** : Flat No. 408, Shiv Ratan Estate, 6/225 Parvati Bagla
Road, Near RAVE-3, Kanpur
: E-mail : archana_botany2010@yahoo.in
10. **ACADEMIC QUALIFICATIONS** : Having brilliant academic records through out
right from schooling to university levels

Educational qualifications at university levels (B.Sc. onwards)

Class	Year	Division	University	Remarks
B.Sc.	1983	1 st Div.	C.S.J.M. University, Kanpur	Stood 1 st division and 3 rd position in the entire B.Sc. exams.
M.Sc. (Botany)	1985	1 st Div.	C.S.J.M. University, Kanpur	Stood 1 st division and 1 st position in the university and also scored highest marks in the college.
Ph.D. "Genetic parameter of Breeding Value for some Quality and Economic Traits In Bread Wheat"	1992	Awarded	C.S.J.M. University, Kanpur	

11. **AWARD AND HONOUR'S :**

- (i) Awarded National Scholarship at B.Sc. level for standing 1st division and 3rd position in the entire B.Sc. (Biology and Maths groups both) Examinations of C.S.J.M. University while scored highest percentage of marks amongst Biology Group of students.
- (ii) Awarded Merit Certificate for standing 1st division and 3rd position in the B.Sc. Examination of C.S.J.M. University, Kanpur
- (iii) Awarded Merit Certificates for standing 1st division and 1st position and scoring the highest percentage of marks in M.Sc. (Botany) of C.S.J.M. University.
- (iv) Awarded the Honour's Certificate for topping the list of the M.Sc. (Botany) Examination of the University as well as scoring the highest percentage of marks amongst the M.Sc. (Botany) student of the College.

12. **FIELD OF SPECIALIZATION** : Specialized in the branches
 - (i) Genetics & Plant Breeding and
 - (ii) Plant Pathology

13. **TEACHING EXPERIENCE** : Since 1991 to till date
Having 19 years of teaching experience
(i) Genetics and cytogenetics
&
(ii) Plant Pathology
to M.Sc. classes from 5th February 1991 to till date
14. **RESEARCH EXPERIENCE** : Since 1989 till date
Successfully conducted and completed her own research work.
- (a) **Topic of Doctoral Thesis** : Genetic parameter of Breeding Value for some Quality and Economic Traits In Bread Wheat
- (b) **Award of Doctoral Degree** : Was awarded her Ph.D. degree in 1992

15. **MINOR / MAJOR RESEARCH PROJECT**

I. **Minor Project** : Further engaged in research work and was granted minor research project entitled "**PHYTOPATHOLOGICAL STUDIES OF BLIGHT DISEASES OF LINSEED AND ITS MANAGEMENT**" UGC approval vide letter no. 84(30)/99-00/MRP/NI dated 31st March, 2000.

Completed the allotted project successfully.

II. **Major Project** : A major research project entitled "**VALIDATION AND STANDARDIZATION OF A PROMISING AYURVEDIC MEDICINAL PLANT 'BALA' USED IN INDIAN SYSTEM OF MEDICINE**"

Awarded and sponsored by UGC in 2010

** The highest amount of financial assistance ever sanctioned i.e. to the tune of 10.45 Lacs to a teacher of any other college affiliated to C.S.J.M. University excepting Dr. Archana Srivastava, department of Botany D.G. (P.G.) College, Kanpur (C.S.J.M. University, Kanpur).

16. **PROJECT FELLOW (working under my supervision)** : As per provision of UGC a Research Project Fellow is appointed to assist the project working under my supervision.

The project work is being successfully conducted.

17. **EXPERIENCE AS RESEARCH SUPERVISOR :**

Guiding Research Scholars : Stated as under

1. **Name of Scholar** : **NITU SINGH**
Title of Synopsis : Investigation of Cytotoxic Effects of Malathin and Biopesticide on Broad Beans (*Vicia faba* L.)
Note : Thesis is under typing stage & expected to be submitted very shortly
2. **Name of Scholar** : **SAIMA RASHID**
Title of Synopsis : Genetic Enhancement of Yield Components and Quality Parameters in Linseed (*Linum usitatissimum*)
Note : Thesis is under typing stage & expected to be submitted very shortly

3. **Name of Scholar** : **ALPANA TRIPATHI**
Title of Synopsis : Survey of Crude Drug Markets and Authentication of Industrially Important Medicinal Plants.
4. **Name of Scholar** : Awanti Awasthi
Title of Synopsis : Studies on seed mycoflora of few economically important Cucurbitaceous vegetable crops
5. **Name of Scholar** : **SHALINI MISHRA**
Submitted her Research topic in C.S.J.M. University for registration. The registration is yet awaited
18. **PARTICIPATION IN UGC SPONSORED REFRESHER COURSE** : Participated in two Refresher Courses
- (i) Attended UGC sponsored refresher course in Botany w.e.f. 07 Dec., 2001 to 28 Dec., 2001 held at ASC, Lucknow University, Lucknow. Presented a project report on pathological topic "**Studies in Pathological and Biochemical Alterations in Mustard**".
- (ii) Attended 2nd UGC sponsored refresher course in Botany w.e.f. 1 June, 2002 to 21 June, 2002 held at ASC, Lucknow University, Lucknow. Presented a project report on pathological topic "**Studies on sclerotium leaf blight of vegetable oil yielding crop with special reference to groundnut (*Arachis hypogea* L.)**"
Awarded Grade 'A' on completion of the Course.
19. **ACADEMIC ACHIEVEMENTS AND DETAILS OF RESEARCH PAPERS PUBLISHED :**
- (I) **Achievements as organizing National Seminars** : Having some experience of organizing Seminars/Symposia /Conferences :
- (1) **Organized National Seminar** on New Horizons in Biosciences held at D.G. Degree College, Kanpur (2005)
- (2) **Organized National Seminar under the supervision of my Headship**
- (a) Successfully organized "National Seminar on Recent Trends in the Biological Scenario." Organized at D.G. (P.G.) College C.S.J.M. University, Kanpur) held on 3rd December, 2009
- (b) An other National Seminar is proposed to be held on 29th and 30th November 2010 (tentative programme)
The said National Seminar has been sponsored and financed by UGC.
- Convener** : Acted as Convener National Seminar on Recent Trends in the Biological Scenario (2009).
- Joint Secretary** : Acted as Joint Secretary in "National Seminar on New Horizons in Biosciences" (2005)
- Member** :
- (i) Member Editorial Board Souvenir : "National Seminar on Recent Trends in the Biological Scenario" (2009).
- (ii) Editorial Board "National Seminar on New Horizons in Biosciences" (2005)
- (iii) Member, Organising Committee National Seminar organized jointly by DG College, Kanpur & DAV College, Kanpur held on October, 8-9, 2002.
20. **DETAILS OF RESEARCH PAPERS PUBLISHED :**
- Research Papers Published in Reputed Journals :**
- Papers Presented and Published in Proceedings :**
- Papers Presented in Seminars/Symposia/Conferences :**
- (i) **Srivastava Archana** (1998). Biochemical studies on yield, its components and some quality traits in bread wheat (*T. aestivum*). J. Biochem. Soci. 1 : 1-17.
- (ii) **Srivastava Archana** (2002). Studies on seed mycoflora of millet crops. In Abstract National Seminar on Recent Advances in Environmental Biology and Biotechnology held jointly at D.G. College, Kanpur and D.A-V College, Kanpur on October 8th and 9th 2002.
- (iii) **Srivastava Archana and Srivastava Naina** (2004). Included colchipoicly in *Cosmos bipinnatus* cav. *Farm Sci. J.* 13(2) : 162-164.

- (iv) **Srivastava, Archana (2005).** Combining ability for grain yield and contributing traits in bread wheat. *Farm Sci. J.* **14**(1) : 92-95.
- (v) **Srivastava, Archana and Srivastava, Naina (2005).** Genetics of certain components in bread wheat (*Triticum aestivum*) *Farm Sci. J.* **14** (2) : 46-47.
- (vi) **Tiwari, V.N., Srivastava Archana and Srivastava Naina (2005).** Management of organo-wastes through microbes. In Souvenir, National Seminar on New Horizons in Biosciences pp 45-52.
- (vii) **Srivastava Archana and Srivastava Naina (2005).** Genetic basis of heterosis for selection in bread wheat (*T. aestivum* L.). In Souvenir, National Seminar on New Horizons in Biosciences held at D.G. College, Kanpur (India) on November 29th & 30th, 2005.
- (viii) **Srivastava Archana and Srivastava Naina (2005).** Impact of Alternaria blight incidence on the composition and quality of Indian mustard crop. In Souvenir, National Seminar on New Horizons in Biosciences held at D.G. College, Kanpur (India) on November 29th & 30th, 2005.
- (ix) **Srivastava Archana, Srivastava Naina and Jatav, A.L. (2005).** Effect of bunt diseases infection and germination and tillering of wheat seeds. In Souvenir, National Seminar on New Horizons in Biosciences held at D.G. College, Kanpur (India) on November 29th & 30th, 2005.
- (x) **Srivastava Archana and Srivastava Naina (2005).** Effect of environmental factors in disease development in Linseed (*Linum usitatissimum* L.) crop. In Proc. National Seminar on conservation of biodiversity and environment in relation to rural development held at D.A-V. College, Kanpur and Kanpur Chapter of ISCA.
- (xi) **Srivastava Archana, Srivastava Naina and Jatav, A.L. (2005).** Detention of mycelium of *Neovossia indica* from infected tissue of wheat seed. In Proc. National Seminar on conservation of biodiversity and environment in relation to rural development held at D.A-V. College, Kanpur and Kanpur Chapter of ISCA.
- (xii) **Jatav, A.L., Srivastava Archana and Srivastava Naina (2006).** Selection of suitable area and variety of Bunt free seed production of rice. *Int. J. Mendel* Vol. 23 (3-4) : 105-106 Millennium Series 17.
- (xiii) **Srivastava Archana and Srivastava Naina (2006).** Colchitetraploidy in *Chrysanthemum coronarium* L. 21st National Symposium of Indian Society of Life Sciences and environmental conservation in welfare of Human Society in February 3rd, 4th and 5th, 2006 p 78.
- (xiv) **Srivastava Archana, Srivastava Naina and Lal. A. (2006).** Studies on Bunt *Neovossia horrida* (Tak) free seed production in rice. 21st National Symposium of Indian Society of Life Sciences and environmental conservation in welfare of Human Society in February 3rd, 4th and 5th, 2006 p 78.
- (xv) **Srivastava, Archana Srivastava, Naina and Srivastava, S.B.L. (2006).** Genetic and divergence in chickpea (*Cicer arietinum* L.) *J. Poorvanchal Acad, Sci.* Vol. 12.
- (xvi) **Yadav, N.K., Jatav, A.L., Srivastava, Archana and Srivastava, Naina (2006).** Effect of different seed treatments and field spray on growth and development of chickpea (*Cicer arietinum* L.) 2006. *J. Poorvanchal Acad. Sci.* Vol. 12.
- (xvii) **Nitu Singh, Archana Srivastava and K.N. Mishra (2008).** Effect of copper sulphate on peroxidase enzyme and biomass production in *Vicia faba* L. Bioved Research Society, Manuscript No. 69, Vol. 19.
- (xviii) **Archana Srivastava, Naina Srivastava, Alka Kushwaha and Richa Nigam (2010).** Study on quality improvement through biometrical approaches in bread wheat (*Triticum aestivum* L.). *Asian Journal of Bioscience*, Vol. 4 Issue 2 : 212-215.
- (xix) **Richa Nigam, Alka and Archana Srivastava (2010).** Effect of Genetic variability on seed yield and oil content in Indian Mustard (*Brassica juncea* L. Czern & Coss.). *Asian Journal of Bioscience*, Vol. 4 Issue 2 : 180-182.

**** Papers /Abstract presented : (5 / 9)**

Poster presentation - 03

1. Agrobacterium rhizogenes mediated transformation of *Artemisia annua* L. National Conference "Scope and Application of Microbes in Agriculture and Environment. New Horizons and Technologies" 19th, 20th & 21st February, 2007. Organized by Department of Microbiology, Institute of Bio Sciences and Biotechnology, C.S.J.M. University, Kanpur. Sponsored by DST, DBT and CSIR, New Delhi.

2. "Varietal performance and correlation studies in Roses" National Symposium on Technological Innovation for Resource Starved. Farmers in Global Perspective, C.S. Azad University of Agriculture & Technology, Kanpur (April 28-30, 2008).
3. "Studies on variability, heritability, genetic advance and covariance in gladiolus". National Symposium on Technological Innovation for Resource Starved Farmers in Global perspective. C.S. Azad University of Agriculture & Technology, Kanpur (April 28-30, 2008).

Total No. of Seminars/Conferences /Workshops :

Seminars :

- (i) 8th National Symposium on problems and perspective in ecofriendly innovatives to Plant Protection 24-25, Jan., 2010. Organized by Society of Plant Protection and Sciences, Division of Nematology. L.B.S. Centre, IARI, New Delhi-110 012.
- (ii) 'Current challenges in Plant Sciences in Plant Sciences " Gene to ecosystem March, 24-25, 2009. Organized by Centre of Advanced study in Botany Banaras Hindu University.
- (iii) International Seminar on "Biotechnology for Today's World." Organized by Deptt. Of Zoology, D.B.D. College, Kanpur. 2nd & 3rd Dec, 2008.
- (iv) National seminar on "Environmental Education in Present scenario-A Challenge." Under the aegis of U.G.C. Jointly organized by Deptt. of Education & Deptt. of B.ED., D.G. College, Kanpur, 25th Nov, 2008.
- (v) National Symposium on Technological Innovations for Resource starved farmers in global perspective April 28-30, 2008, Kanpur organized under the joint auspices of "The Society of Agriculture Professionals and Chandra Shekhar Azad University of Agriculture and Technology of Kanpur.
- (vi) National Conference on "Scientific and Legal Challenges of Global Warming". Organized by Brahmanand Post Graduate College, Kanpur, Feb 25-26, 2008.
- (vii) National seminar "combating Pollution to create a Healthier Planet." Jointly organized by Indian Science Congress Association, Kanpur Chapter and Deptt. of Zoology, D.G. College, Kanpur.
- (viii) National Conference on " Scope and Application of Microbes in Agriculture and Environment : New Horizons and Technologies." Organized by Deptt. of Microbiology, Institute of Biosciences and Biotechnology, C.S.J.M. University, Kanpur. Sponsored by DST, DBT and CSIR, New Delhi. 19th, 20th & Feb, 2007.
- (ix) Attended seminar on "Conservation of Bio-diversity and environment in relation to rural development organized by Department of Zoology DAV College, Kanpur and the chapter of Indian Science Congress Association held on December 9 & 10, 2005.
- (x) National seminar on "New Horizons in Biosciences " Organized by Deptt. of Botany D.G. College. Kanpur. 29-30th Nov, 2005.
- (xi) Participated in 15th Annual Conference of Purvanchal Academy of Sciences held at T.D. Post Graduate College, Janupur on November 19-20, 2005.
- (xii) National seminar on "Recent Emerging Trends in Plant Sciences". Sponsored by U.G.C. Organized by Deptt. of Botany, D.A.V. College, Kanpur. 11th -12th Dec, 2004.
- (xiii) National seminar on "Population and Environment : Challenges & Opportunities." Under the aegis of U.G.C. Organized by Deptt. of Geography. D.G. College, Kanpur.

Workshops (2006-2010) : Four

1. Workshop on "Commercialization of Cultivation of Medicinal and Aromatic Plants". Sponsored by Human Resource Development Ministry, Government of India. Organized by Jan Shiksha Sansthan. Jan 6th -16th, 2006.
2. Workshop on "Mushroom Cultivation" held on Dec 20th, 2008 at S.N. Sen B.V.P.G. College, The Mall, Kanpur.
3. Workshop on "Alternative Sources of Energy" held on Jan. 25th, 2010 at S.N. Sen B.V.P.G. College, The Mall, Kanpur.
4. Kendriya Aushadhya evam sugandh paudha sansthan, Lucknow " Aushadhya evam sugandh paudha ke utpadan hethu unnat proadyogiki par parshikshan karykarm" Proayojak Laghu Udyog Vikas Bank (Shidbi), held on 8th-11th March, 2010, Lucknow.

21. MEMBERSHIP OF SOCIETIES :

- (i) Indian Science Congress Association, Kolkata (Life member).
- (ii) Mendelian Society of India, Patna (Life member).
- (iii) Farm Science Journal CSA University of Agriculture & Technology, Kanpur (Annual member).
- (iv) Bougainvillea Society of India, New Delhi (Life member).
- (v) Society of Plant Protection Science, IARI, New Delhi (Life member).
- (vi) Indian Society of Agriculture and Biochemists CSA University of Agriculture & Technology, Kanpur (Life member).
- (vii) Indian Academy of Environmental Sciences, Hardwar (Life member)

22. ADMINISTRATIVE EXPERIENCE :

- (i) Member of **Golden Jubilee** Celebration of the College in 2009.
- (ii) Member of maintenance committee of the college.
- (iii) Member of Proctorial Board of College.
- (iv) Member of admission committee of the college.
- (v) Member of Cultural Association of the College.
- (vi) Member Literary Association of the College.
- (vii) Member of Science Association of the College.
- (viii) Member of Election Committee of the College.
- (ix) Member of Students Grievance Redressal Cell of the College.

23. OTHER DETAILS :

Experience of Examinership :

- (i) Appointed 'Paper-Setter' for M.Sc. theory as well as B.Sc. theory of C.S.J.M. University.
- (ii) Appointed Co-examiners in B.Sc. theory Exams.
- (iii) Acted as Convener, Board of Practical Examination of M.Sc. C.S.J.M. University.
- (iv) Acted Practical Examiner for B.Sc. classes C.S.J.M. University.
- (v) Appointed Examiners to Degree Classes and Post Graduate classes by several other universities.]

24. MEMBER OF INSPECTION COMMITTEE :

(Appointed by C.S.J.M. University) : Acted as Inspector in the Panel of the Inspection Committee appointed by Registrar, C.S.J.M. University, Kanpur.

Dr. (Smt.) ARCHANA SRIVASTAVA

Reader & Head
Department of Botany
D.G. College, Kanpur