

## **Dr. Anuradha Yadav**

### **Objective:**

Seeking a challenging environment that encourages learning and creativity and allows me to utilize my strong teaching and analytical skills for personal growth as well as for the organization I work.

### **Education Qualification:**

- ❖ B.Sc. from Vaish College, Bhiwani (MDU) in 1998.
- ❖ M.Sc. from Dept. of Bio-science, Rohtak (MDU) in 2000.
- ❖ M.Phil from Dep't. of Botany, Univ. of Delhi, Delhi in 2002.
- ❖ Ph.D. Botany in the field of Plant Tissue Culture and Biotechnology from Dep't. of Botany, Univ. of Delhi, Delhi (2008).

### **Teaching Experience:**

Total 13 years of teaching experience:

- ❖ Ad hoc Lecturer in Department of Botany, **Swami Shradhanand College**, University of Delhi, Delhi (from 7Jan. 2014 to till date).
- ❖ Ad hoc Lecturer in Department of Botany, **Kalindi College**, University of Delhi, Delhi (from 2Jan. 2013 to 31Aug. 2013).
- ❖ Ad hoc Lecturer in Department of Botany, **Gargi College**, University of Delhi, Delhi (from 2Jan. 2012 to May 2012 then Guest Lecturer from Aug. 2012 to Nov.2012).
- ❖ Ad hoc Lecturer in Department of Botany, **Maitreyi College**, University of Delhi, Delhi (from 1Aug. 2009 to 7June 2011).
- ❖ Ad hoc Lecturer in Department of Botany, **Deen Dayal Upadhyaya College**, University of Delhi, Delhi (from 24 Oct. 2007 to March 2009).
- ❖ Lecturer in Botany in **Adarsh Mahila College**, Bhiwani (July to Sept. 2001).
- ❖ Working as **IGNOU Academic Counsellor** for BDP Programme Aug. 2013 to 2017.

### **Research Experience:**

- ❖ Ph.D. Dissertation- "***In vitro* Micro-propagation in six novel genotypes of chickpea (*Cicer arietinum* L.) - A recalcitrant crop**" during the tenure I have been able to develop regeneration protocol for genetic transformation through somatic embryogenesis as well through multiple shoots.
- ❖ M.Phil. dissertation- "***In vitro* plantlet regeneration in a drought tolerant variety BGD72 of Chickpea (*Cicer arietinum* L.)**" during the tenure I have been able to develop complete plantlet *via* organogenesis in chickpea employing whole seed, embryonal axis and nodal explants. Besides, somatic embryogenesis, yet another significant mode of micro-propagation has also been induced in leaf tissue of *Cicer arietinum*.

- ❖ M.Sc. dissertation dealing with “**Induction of somatic embryogenesis in Chickpea callus obtained from seed and cotyledon explants**” as a partial fulfillment of Master’s degree in Biotechnology.
- ❖ Worked as a Project Fellow in U.G.C. sponsored Project entitled “Micro-propagation and Evaluation of Genetic fidelity of offspring’s of two important medicinal plants *Centella asiatica* and *Holarrhena antidysenterica*”. From 2003-2005.
- ❖ A Comprehensive Review on ‘Agarose Gel Electrophoresis’ was written and submitted in Partial fulfillment of Master’s Degree in Biotechnology.

### **Publications (Research paper/ Article):**

**Published:** One paper published in international journal.

- ❖ **Agrawal Veena & Yadav Anuradha 2006.** Efficient *in vitro* regeneration protocol from different explants in a drought tolerant variety BGD72 of *Cicer arietinum* L. Indian J. Plant Physiol., Vol.11, 421-426.

### **Paper Presented:**

- ❖ Presented oral paper on the topic “**Optimization of regeneration protocol through somatic embryogenesis in some novel chickpea genotypes**” Yadav Anuradha & Agrawal Veena in International conference on Current trends in biotechnology & implications in agriculture, SVPUAT, Meerut, Feb. 19-21, 2009.
- ❖ Presented oral paper on “**Induction of organogenesis and somatic embryogenesis in seedling explants of some novel genotypes of chickpea (*Cicer arietinum* L.) – A recalcitrant crop.**” Yadav Anuradha in Annual Main meeting, SECC, Glasgow, UK, June 28<sup>th</sup>-July 1<sup>st</sup>, 2009.

### **Poster Presented:**

- ❖ One poster on “*In vitro* selection of chickpea (*Cicer arietinum*) genotype showing efficient regeneration: Effects of genotypes, explants and growth regulators” **Yadav Anuradha & Agrawal Veena** in 4<sup>th</sup> International Food legumes Research Conference, Oct 18-22, 2005, IARI, New Delhi, Poster No.A-379.
- ❖ Second on “Evaluation of *in vitro* Morphogenic Diversity in some chickpea genotypes” **Yadav Anuradha & Agrawal Veena** in National conference on Biodiversity Related International Conventions: Role of Indian Scientific Community, INSA, New Delhi, March 8-10, 2006, Poster No-54.
- ❖ Poster presented on “Effective *in vitro* regeneration protocol through seed and seedling explants for genetic transformation in a different drought tolerant genotypes of chickpea” **Yadav Anuradha & Agrawal Veena** in Golden jubilee conference on Challenges an Emerging Strategies for importing Plant Productivity, ISPP, IARI, New Delhi, Nov. 12-14, 2008, Poster No. 05-29.

- ❖ Poster presented on “Effective *in vitro* regeneration protocol for genetic transformation in a different drought tolerant genotype of chickpea (*Cicer arietinum*) – A recalcitrant crop” Yadav Anuradha in International conference on legume crops and products for food, feed and environmental benefits, Antalya, turkey, April 26-30, 2010.

## **Abstract:**

- ❖ **Agrawal, V. & Yadav, A. 2003.** “Effective *in vitro* regeneration protocol through seed and seedling explants for genetic transformation in a drought tolerant variety (BGD72) of chickpea (*Cicer arietinum*)” in International Conference of Trends in Cellular and Molecular Biology, JNU, New Delhi, March 6-8, P-17.
- ❖ **Yadav, A. & Agrawal, V. 2005.** “*In vitro* selection of chickpea (*Cicer arietinum* L.) genotype showing efficient regeneration: Effect of genotype, explants and growth regulators” in 4<sup>th</sup> International Food Legume Research Conference, IARI, New Delhi, Oct. 18-22, P-223.
- ❖ **Agrawal, V. & Yadav, A. 2006.** “Evaluation of *in vitro* morphogenic diversity in some chickpea genotypes” in National Conference on Biodiversity Related International Conventions: Role of Indian Scientific Community, INSA, New Delhi, March 8-10, P-132.
- ❖ **Agrawal, V. & Yadav, A. 2006.** “*In vitro* morphogenic diversity in some chickpea genotype” in 11<sup>th</sup> IAPTC & B Congress Biotechnology and Sustainable Agriculture 2006, August 13-18, Beijing, China, A no. 1001.
- ❖ **Yadav, A. & Agrawal, V. 2008.** “Optimization of regeneration through somatic embryogenesis & plantlets Regeneration in some drought tolerant chickpea genotypes” in 29<sup>th</sup> Annual Meeting of plant Biotechnology for Conservation, Characterization & Crop Improvement w.e.f. February 8-10, 2008 held at Udaipur, Rajasthan.
- ❖ **Yadav, A. & Agrawal, V. 2008.** “Effective *in vitro* regeneration protocol through seed and seedling explants for genetic transformation in a different drought tolerant genotypes of chickpea” in Golden jubilee conference on Challenges and Emerging Strategies for improving Plant Productivity, ISPP, IARI, New Delhi, Nov. 12-14, 2008, P-209.
- ❖ **Yadav, A. & Agrawal, V. 2009.** “Optimization of regeneration protocol through somatic embryogenesis in some novel chickpea genotypes” in International conference on Current trends in biotechnology & implications in agriculture, SVPUAT, Meerut, Feb. 19-21, 2009, P-94.
- ❖ **Yadav, A. 2009.** “Induction of organogenesis and somatic embryogenesis in seedling explants of some novel genotypes of chickpea (*Cicer arietinum* L.) - A recalcitrant crop” in Annual Main meeting, SECC, Glasgow, UK, June 28<sup>th</sup>-July 1<sup>st</sup>, 2009.
- ❖ **Yadav, A. 2010.** “Effective *in vitro* regeneration protocol for genetic transformation in a different drought tolerant genotype of chickpea (*Cicer arietinum*) - A recalcitrant crop” in International conference on legume crops and

- products for food, feed and environmental benefits, Antalya, turkey, April 26-30, 2010.
- ❖ **Yadav, A.** 2010. “*In vitro* micropropagation in chickpea (*Cicer arietinum* L.) - a recalcitrant crop” in 8<sup>th</sup> Canadian Pulse Research Workshop, Calgary, AB, Canada, Nov.2-5, 2010.
  - ❖ **Yadav, A.** 2011. “Effective protocol for Genetic Transformation via Somatic Embryogenesis and Plantlet regeneration in novel Genotypes of Chickpea (*Cicer arietinum*)” in 1<sup>st</sup> Congress of Cereal Biotechnology and Breeding, Szeged, Hungary, May 24-27, 2011.

### **Participation In National, International Conference/ Workshops:**

- ❖ Actively Participated as a member of event Management group in National Convention on “Transgenic Rapeseed-Mustard An Assessment” held at Indian International Centre, New Delhi, India. Feb.16-17, 2002.
- ❖ Attended a National Seminar on “Genetically Modified and Transgenic food crops” organized by Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi, India on 26-27 Nov, 2002.
- ❖ Attended National Orchid Show and Symposium on "Orchid Research, Production and Marketing Strategies" Sponsored by the Orchid Society of India (TOSI) held at CSIR Science Centre, New Delhi-110003, India w.e.f. Nov.8-10, 2002.
- ❖ Participated in International Conference on "Trends in Cellular and Molecular Biology" held at School of Life Science, J.N.U., New Delhi, India w.e.f. March 6-8, 2003.
- ❖ Actively Participated in the National Seminar on "Climate Change in India and Its Impact on Plant Diversity and Productivity" organized by Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi, India on Dec.22-23, 2003.
- ❖ Participated as a member of event Management group in the National Seminar on "Genetically Modified Organisms-Biosafety Aspects" held at INSA, New Delhi, India from March 10-11, 2005.
- ❖ Participated in 4<sup>th</sup> International Food Legumes Research Conference on “Food legumes For Nutritional Security and Sustainable Agriculture” at Indian Agricultural Research Institute, New Delhi, India w.e.f. Oct.18-22, 2005.
- ❖ Attended Conference on “New Development in Rapeseed-Mustard” organized by Mustard Research and Promotion Consortium (MRPC), at New Delhi, India w.e.f. Jan.21, 2006.
- ❖ Active Participation in National Seminar on “Relevance of Botany in the Conservation and Improvement of Plants” organized by Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi-7, India w.e.f. Feb.8-9, 2006.

- ❖ “Algae in Biotechnology and Environment” an International Conference on Applied Phycology held at Department of Botany, University of Delhi, Delhi-7, India. w.e.f. Feb. 14-15, 2006.
- ❖ Participated as a member of event Management group in National conference on “Biodiversity Related International Conventions: Role of Indian Scientific Community”, INSA, New Delhi, India w.e.f. March 8-10, 2006.
- ❖ Actively Participated in National Seminar on “Current Trends in Plant Sciences”, Department of Botany, University of Delhi, Delhi-7, India w.e.f. Feb.15-16, 2007.
- ❖ Participated in National Conference on “Wetlands, Science and Society- An Assessment their Integration” organized by Delhi University Botanical Society, Department of Botany, University of Delhi and International Society of Plants Morphologists held at INSA, New Delhi, India w.e.f. Dec. 11-13, 2007.
- ❖ Attended Seminar on “Emerging Trends in Interfacial Areas of Chemical, Biological and Environment Sciences” organized by Department of Chemistry, University of Delhi and Department of Physics and Chemistry, University of Southern Denmark held at Conference Centre, University of Delhi, Delhi-7, India. w.e.f. March 17-18, 2008.
- ❖ Attended one day workshop on Bioinformatics held at Department of Botany, University of Delhi, Delhi-7, India (Feb. 18, 2008).
- ❖ Participated in Golden jubilee conference on Challenges an Emerging Strategies for importing Plant Productivity organized by ISPP held at IARI, New Delhi, Nov. 12-14, 2008, P-209.
- ❖ Participated in International conference on Current trends in biotechnology & implications in agriculture held at SVPUAT, Meerut, Feb. 19-21, 2009, P-94.
- ❖ Attended National workshop on Quality Assurance through Blended Learning held at Maitreyi College, University of Delhi, Chanakyapuri, New Delhi-21, Jan. 19-21, 2010.
- ❖ Attended ILLL Workshop Tier II for capacity building of Delhi University Faculty, held at Maitreyi College, University of Delhi, Chanakyapuri, New Delhi-21, April 12-27, 2010.
- ❖ Attended Workshop on Bioinformatics, held at Maitreyi College, University of Delhi, Chanakyapuri, New Delhi-21, Feb.23-24, 2011.
- ❖ Participated in one day hands-on training on ICT Tools for Science Educators and Students conducted by SGTB Khalsa College under the aegis of DBT Star College Scheme On Dec.18, 2012.
- ❖ Participated in National conference on Advances in Environmental Sciences and Plant Biotechnology, held at DDU College, University of Delhi, New Delhi, Feb. 4-5, 2013.
- ❖ Participated in two day workshop on reproductive biology conducted by Dayal Singh College under the aegis of ILLL On March,16-17, 2015.

- ❖ Participated in two day Faculty development Programme on Industrial and environmental Microbiology conducted by Daulat Ram college, university of Delhi under DBT star college project from March 19-20, 2018.
- ❖ Participated in webinar on Role of Chromosome in Plant Taxonomy organized by Department of Botany & IQAC, VIVA college, University of Mumbai, 15 June,2020.
- ❖ Participated in webinar on Medicinal plants: Eternal Source of Health and Wellness organized by Department of Botany, Swami Shraddhanand college, University of Delhi, June 17, 2020.
- ❖ Participated in international webinar on Impact of COVID-19 on Society and Education: A Perspective organized by IQAC, Swami Shraddhanand college, University of Delhi, 20 June,2020.
- ❖ Participated online in one day international webinar on Relevance of Education, Spirituality and Yoga in present Global crisis organized by Swami Shraddhanand college, University of Delhi, 20 June,2020.
- ❖ Participated in National web Series cum training Programme on Tree Communications in the Forests organized by Department of Botany Kurukshetra University, Kurukshetra, 22 June,2020.
- ❖ Participated online in one day international webinar on Epidemiology, Diagnostics and Therapeutic Approaches to Combat COVID-19 organized by Eco Club Pranahi, Bhaskaracharya college, University of Delhi, 26 June,2020.
- ❖ Participated National webinar on Legume Diversity in India organized by Society For Ecological Research and Natural Resources Management (SERIRM), 30 June,2020
- ❖ Participated in National webinar on Tinkering with plant Genomes organized by Department of Botany, Miranda college, University of Delhi, 06 July,2020.
- ❖ Participated in two week Faculty development Programme on Managing Online classes and co creating MOOCs organized by Research Development and Services cell, Ramanujan college, University of Delhi. From 25 July to 10 August 2020.
- ❖ Participated in one week Faculty development Programme on Systematic Literature Review & Metaanalysis organized by Teaching Learning Centre, Ramanujan college, University of Delhi. From Dec 7-13 2020.
- ❖ Participated in one week Faculty development programme on E-learning for Teaching Process in Higher education organized by Hindu college, University of Delhi. From Dec 14-20, 2020.

### **Extra Curricular Activity:**

- ❖ Volunteer work in DUBS for annual flower show.
- ❖ Actively participated in cultural, art & craft competitions.
- ❖ Volunteer work in SPICMACAY.
- ❖ Co-ordinate all the concerts (by Ust. Amsad Ali Khan, Pt. Birju Maharaj, Smt. Girija Devi, Pt. Hariprasad Chaurasia and other renowned artists) organized in vice regal lounge, University of Delhi.
- ❖ Worked in organizing team for “Heritage course” started by University of Delhi and SPICMACAY in 2008, lectures conducted at convocation hall, vice regal lounge, University of Delhi.
- ❖ Worked in organizing team for ‘VIRASAT’ and ‘FEST’ from 2003 onwards.
- ❖ Chief coordinator for the “FEST 2010”.
- ❖ Co-ordinate concert and classical dance for SPICMACAY committee Deen Dayal Upadhyaya (2008), Maitreyi College(2009) and Gargi College(2012).
- ❖ Co-ordinate seminar and practical session of Sahaja Yoga in Gargi college, Swami Shradhanand College and other school and colleges.

Date :

ANURADHA YADAV