

## Profile



- ( i ) **NAME :** Dr. MADHUMITA BHATTACHARJEE
- (ii) **QUALIFICATION:** M.Sc. (Botany), Ph.D.(Botany) &  
NET Qualified
- ❖ 1<sup>st</sup> Position Holder of University in M.Sc.
  - ❖ 1<sup>st</sup> Position holder in the college & received Gold Medal
- (iii) **DESIGNATION:** ASSOCIATE PROFESSOR
- (iv) **DEPARTMENT :** Post Graduate Govt. College For Girls, Sector -11, Chandigarh
- (v) **TOTAL TEACHING EXPERIENCE :** 19 years
- (vi) **CLASSES TAUGHT :** Undergraduate and Post graduate classes
- (vii) **IN SERVICE TRAINING :**
- (1). Completed one orientation course, held by Academic Staff College, Panjab University , Chandigarh in September 2004.
  - (2). Successfully completed special summer school 2008, equivalent to refresher course in Botany, for career advancement held in Panjab University from 14<sup>th</sup> June To 4<sup>th</sup> July, 2008
  - (3) Short Term Course for Assistant Professor for Grade- 3 in” Meeting Mid Term Carrier Challenges, organised by Academic Staff College, Panjab University, Chandigarh From 8.7.14 to 14.7.14 ( 7 days )

(4) Successfully completed seven days capacity building Workshop “spectrum of Knowledge : An Interdisciplinary Approach ‘ sponsored by Rusa under aegis of Department of Higher Education ,Chandigarh from 29<sup>th</sup> Feb 2016 to 6<sup>th</sup> March 2016.

(5) Participated in Faculty Training and Motivation Programme for Science Teachers ,organized by CSIR – CSIO during 23<sup>rd</sup> -24<sup>th</sup> FEB 2016 at CSIO ,Sector 30-C ,Chandigarh.

(6) Information and communication training course (ICT training) with Grade “ A” from 09/09/2019 to 13/09/2019

(7) Seven days faculty development programme ( FDP) “ Education and pedagogy in the times of digital humanities from 09.01.2020 – 15.01.2020 at PGGCG11 , Chandigarh

(8) Skill Development Programme On Online Tools:2020 from **27-31 July, 2020** organised by Society For Research In Biological Science In Association With Government P G College Bazpur, Us Nagar, Uttarakhand & SS College, Shahjahanpur, UP.

(9) One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education from **14th July to 20th July 2021 with Grade A+.**

#### **AWARDS RECEIVED :**

- “Life time achievement award” in International Conference on New Paradigms for Agriculture, Food and Sustainability Concerns (NPAFSC-2021) 26-28 February, 2021, Raichur, Karnataka.
- “Women researcher award” in the 7<sup>th</sup> International Scientist award on Engineering, Science and Medicine held on 4-5 July 2020 , Coimbatore
- “International healthcare award 2020”- Times award
- International Best Scientist of the Year - Rula Award 2020

## **RESEARCH PUBLICATIONS :**

- (i) Madhumita Bhattacharjee (2021) **Assessment of growth stimulating property of *Moringa* leaf extract (MLE) using *Vicia faba* as test Plant. *Eco. Env. & Cons.* 27 (October Suppl. Issue) : 2021; pp. (S232-S236) *SCOPUS Journal, Web of Science and UGC care listed journal SCOPUS -H Index - 15 NAAS Rating - 5.41, Q4 SJR (2020) 0.15***
- (ii) Madhumita Bhattacharjee (2021) To Study the Influence of Microwave Oven Treated Water on Germination and Growth of *Trigonella foenum-graecum* .***Environment and Ecology* 39 (2) : 385—389 April—June 2021 , *Web of science journal ,UGC care listed journal* ISSN 0970-0420.**
- (iii) Madhumita Bhattacharjee (2021) Assessment of cytotoxic potential of Chocolate Brown – HT ( E155) using *Allium sativum* assay .***Advances in plant Sciences* 34 (I&II) June & Dec. 17-21( 2021), ISSN 0970-3586.*Web of science journal ,UGC care list , NAAS Rating 2.80***
- (iv) Madhumita Bhattacharjee (2020) “*Moringa oleifera* : A potent immune booster in the catastrophe of Covid -19”in *Eco. Env. & Cons.* 26 (November Suppl. Issue) : 2020; pp. (S202-S209) *SCOPUS Journal, H Index – 12 ,NAAS Rating - 5.47, UGC care list journal*
- (v) Madhumita Bhattacharjee (2020) “Assessment of cytotoxic potential of tartrazine (E102) on meristematic cells of *Vicia faba*” in *Pollution Research.* 39 (4) : 1162-1167 (2020). *SCOPUS Journal, SCOPUS - H Index – 21,NAAS Rating - 5.10, UGC care list journal.*
- (vi) Madhumita Bhattacharjee (2020) A Review of Some Commonly Used Antimicrobial Food Preservatives. *Journal of Information and Computational Science* ISSN: 1548-7741 23, Volume 13 Issue 2 – **March 2020** Pg. 23-27
- (vii) Madhumita Bhattacharjee *et.al.* ( June 2019)“ Detection of food adulteration in selection food items purchased from different Urban and rural Areas of Chandigarh region.*International J. of Eng, applied and management Sciences paradigms ( IJEAM)* ISSN 2320-6608 Vol.54 (3)pp 150-155.
- (viii) Madhumita Bhattacharjee ( 2017 )“Understanding The Surrounding Colours For A Blissful Life “in *Milestone Education Review (The Journal of Ideas on Educational & Social Transformation)* , ISSN: 2278 – 2168 Year 08, No.01 pg 44-5

- (ix) Madhumita Bhattacharjee (2017) "Hidden threat of two commonly used food preservatives : A Review " in conference proceedings of International Conference on Advancements in Science & Technology ( ICAST -2017) held on at University School of Sciences, Rayat – Bahra University , Mohali.
- (x) Madhumita Bhattacharjee (2017 ) Foul Role of a permitted Red Food Colour " in International Journal of Advanced Research in Science and Engineering .Vol6(1) ;902-907. ISSN no. 2319-8354
- (xi) Madhumita Bhattacharjee(2016) "Know your nutrients for better performance in sports" in E – proceedings of Global Conference on Scientific Culture in Physiacl Education and sports from 18 – 20 Feb 2016 at Punjabi Univ. Patiala. Paper no. 492, pp 2013-14 ISBN: 978-93-85446-45-0
- (xii) Madhumita Bhattacharjee (2015) Noxious role of a yellow food dye. Int.J.of Current Science Vol 7 ,issue 09 pp 20441-20443 ISSN 0975-833X
- (xiii) Madhumita Bhattacharjee (2014). Mutagenic evaluation of Chocolate Brown –HT. Abstract in National conference on perspectives and trends in plant science and biotechnology code: A67 ,pp.44
- (xiv) Madhumita Bhattacharjee (2014). Evaluation of cytotoxic potential of Ponceau 4R in *Vicia faba*. *Vegetos : An international journal of plant science*. Vol 27 No. 03 pp27-33 ISSN :0970-4078. Impact Factor 0.04; NAAS IF 6.2
- (xv) Madhumita Bhattacharjee (2014). Studies on mitodepressive effect of Indigocarmine. *International Journal of Innovative Science, Engineering & Technology* .Vol 1, Issue 7 pp.157-160. ISSN : 2348-796
- (xvi) Madhumita Bhattacharjee (2014). Evaluation of mitodepressive effect of Sunset Yellow using *Allium sativum* assay. *International journal of Science , Environment & Technology*.Vol 3 , No. 3 .pp 1120-1130 ISSN : 2278-3687
- (xvii) Madhumita Bhattacharjee & Somesh Yadav .(2007) Cytotoxic effect of Indigocarmine food dye on *Chara vulgaris* L. mitosis. *The Bioscan* 2(4):363-36
- (xviii) Madhumita Bhattacharjee & SomeshYadav (2006). Mitotic studies of *Chara vulgaris* treated with a dye Orange- G. *Nature, Environ. & Pollu. Tech.* 5(4) pp: 607-612.
- (xix) Madhumita Bhattacharjee & Somesh Yadav (2005). Effect of Sunset Yellow on the mitotic Index of *Vicia faba* root tips. *Int. J. Mendel.*22(3-4)85-86.

- (xx) Somesh Yadav & Madhumita Bhalla . (2005)Cytotoxic evaluation of Tatrazine on root tips of *Allium sativum*(L). Pollution Research 24(2):279-282
- (xxi) Somesh Yadav & Madhumita Bhalla (1998)Study of cytotoxicity of Sunset Yellow on chromosomes of *Allium sativum*, *Vicia faba* & *Chara vulgaris*..Some aspects of research in applied Botany. Pp.211-225.
- (xxii) Somesh Yadav & Madhumita Bhalla (1997) Cytogenetic effect of Ponceau-4R on the root meristem of *Allium sativum* L..J. of Environment & Pollution.4(3) pp.249-254.

• **ABSTRACT PUBLISHED :**

1. Madhumita Bhattacharjee ( 2021) “Moringa leaf extract as a boon in Indian agriculture” in proceedings of International Conference On New Paradigms for Agriculture, Food and Sustainability Concerns held on 26-28 Feb 2021, Raichur, Karnataka ,pp- 173.
2. Madhumita Bhattacharjee (2014). Mutagenic evaluation of Chocolate Brown –HT. Abstract in National conference on perspectives and trends in plant science and biotechnology code: A67 ,pp.44
3. Madhumita Bhattacharjee *et.al.*(2010). Cytotoxic efficacy of Chocolate Brown – HT. Abstract in Souvenir of 4<sup>th</sup> Chandigarh science Congress paper code : LS-P-7 pp. 146
4. Madhumita Bhattacharjee (2009) Edges of Artificial Food Colours. Souvenir of 3<sup>rd</sup> Chandigarh Science Congress
5. Madhumita Bhattacharjee & Somesh Yadav (1998). Cytotoxic potential of some food colours on *Vicia faba*. Proc.Aca.Envirion. Biology. Pg: 50.
6. Madhumita Bhattacharjee & Somesh Yadav (1997). Cytogenetic impact of some synthetic food colours. Souvenir of National Conference on Plant Biotechnology. Ab. 7, pg: 16.

• **ARTICLES PUBLISHED :**

1. Madhumita Bhattacharjee.(2005)Garlic- A Beneficial Medicinal herb .Agrobios.pp:47
2. Madhumita Bhattacharjee (2008 ). Multipurpose Wonder Tree – *Moringa oliefera* . Agrobios pp :49.
3. Madhumita Bhattacharjee ( March 2016 ) “ Turmeric : A magical kitchen spice “ in Agrobios ISSN : 972-7027, Vol.XIV ,issue No. 10 pp 7.

- **BOOK PUBLISHED** :

(1)Madhumita Bhattacharjee ( **2021**) Handy lab Manual of Gymnosperms Unistar Books Pvt. Ltd. ISBN 978-93-5205-366-7, **March 2021**.

(2)Madhumita Bhattacharjee ( 2014 ) Cell biology & Genetics - Learn easy way. Mohindra Capital Publisher, Chandigarh ISBN :978-93-82191-37-7

### **Paper setting :**

- Bsc 4<sup>th</sup> Sem May 2021 Paper A
- Bsc BEd 3<sup>rd</sup> sem Dec 2021
- Bsc Hons 4th sem paper B May – June 2021
- Msc 3<sup>rd</sup> Sem Dec 2020 paper XIV
- **INVITED LECTURE / GUEST SPEAKER :**

(1) Delivered a lecture as a resource person In a National Seminar “The covid pandemic : Impact, prevention and significance of immunity” on 28<sup>th</sup> May 2020 organised by Chamanlal Mahavidyalaya, Landhaura, Haridwar.

(1) Delivered a lecture as invited speaker in an\_Invited Lecture Series II on 13 July 2020 organised by SS college Shahjahanpur & Christ Chruch College, Kanpur.

(2) Guest Speaker in a medical education programme “ Sports injuries Update 2017 Sports injuries Prevention : A Multidisciplinary Approach “ on 25<sup>th</sup> Feb 2017 at

Air Force Officers Institute, Chd organized by Trinity Education & Research Foundation

- **MEMBER OF THE REFEREE PANEL / MEMBER OF EDITORIAL BOARD / REVIEWER**

- (1) Member of the referee panel of UGC care list approved, springer Journal “Vegetos : An international journal for Plant Sciences and Biotechnology” for review of manuscripts.
- (2) Member of Editorial board of Peer reviewed Journal “Agricultural Letters”.
- (3) Reviewer of Agricultural Research Communication Centre (ARCC) journals , <https://arccjournals.com/ourReviewers>

- **LIFE MEMBER OF THE SOCIETIES**

- (i) Asian PGPR society
- (ii) Society for Plant Research
- (iii) Indian science congress
- (iv) Society for research in biological science (SRBS)
- (v) Agricultural letters

- **MEMBER BOARD OF STUDIES**

Member Board of studies Botany ( PG) From 2017 to 2021

- **ACTED AS JURY MEMBER / JUDGE**

- (1) In an National online speech competition organized by Department of botany, SS college, Shahjahanpur, UP government PG college Bazpur, Uttarakhand and & society for research in biological science (SRBS) held on 15 August 2020.
- (2) In Rashtriya sangoshti : Rashtiyiya Siksha Niti 2020 organised by SS college, Shahjahanpur, UP society for research in biological science (SRBS) & Pragma Parishad on 9<sup>th</sup> September 2020.

- (3) Acted as judge for evaluation of models during State level Science, Mathematics and Environment Exhibition at State Council of Educational Research and Training ,Sector 32-Chandiagr from 6<sup>th</sup> December to 9<sup>th</sup> December 2016
- (4) Acted as judge for herbarium display in One day lecture cum workshop on importance of medicinal plants and their vegetative propagation on 7<sup>th</sup> Feb 2017 at PGGCG -11,Chd
- (5) Acted as judge for poster presentation in 11<sup>th</sup> Chandigarh Science Congress, Chascon 2017 held at Punjab University on March 9-11,2017

- **RESEARCH PAPERS PRESENTED:**

**2021**

- (1) Presented a Poster online on the topic “Moringa leaf extract as a boon in Indian agriculture” in an International Conference On New Paradigms for Agriculture, Food and Sustainability Concerns held on 26-28 Feb 2021, Raichur, Karnataka.

**2020**

- (1) Oral presentation entitled “ Threats inside your sweet home “in 8<sup>th</sup> International conference on Technology,Innovation and management for sustainable development (TIMS-2020) on 19-20 February 2020 at school of science ,ITM University,Gwalior
- (2) A paper Review of Some Commonly Used Antimicrobial Food Preservatives,presented in 3<sup>rd</sup> International award conference on Research ,Analyze,communicate and Evaluate, SNDT Women’s University , Mumbai on 15<sup>th</sup> March 2020

**2019**

- (1)A paper entitled “Intellectual property rights- An opening to a new era of food security “ in a National seminar on Need and Challenges of Intellectual Property Rights on September 30,2019 at Hindu College Moradabad .
- (2) A paper entitled “ Beware of invisible enemy at your door step” on 5<sup>th</sup> November 2019 in a National seminar on “ Recent trend in Interactive sciences : A path to Global Expansion “ at PGGCG 11, Chandigarh

**2017**



(1) Presented a paper “ Foul Role of a Permitted Red Food Colour “ in International Conference on Recent Development in Engineering Science , Humanities and Management ( ESHM-17) on 29<sup>th</sup> January 2017 at National Institute of Technical Training & Research ,Chandigarh

(2) Presented a paper “ Role of Nutrients in sports “ in a National seminar cum workshop on Advances in Applied Sport Psychology held at DAV College , Sector -10, Chandigarh on March 18-19 ,2017.

(3) Presented a paper on “ The Silent Killer – Indoor Pollution “ in 3<sup>rd</sup> International Conference on Recent Development in Engineering Science, Humanities and Management held on 26<sup>th</sup> March 2017 at National Institute of Technical Teachers Training & Research, Chandigarh.

(4) Presented a paper “ Hidden treats of two commonly used food preservatives “. In International Conference on Advancements in Science & Technology ( ICAST -2017) organized by University School of Sciences, Rayat – Bahra University , Mohali on April 20-21, 2017.

### **2016**

( 1 ) Madhumita Bhattacharjee “Organic farming : A holistic way of human happiness” in Swami Sukhdevanand 8<sup>th</sup> International Seminar on Tourism, Mecantilism and Human Happiness : Challenges & opportunities on 30 -31 January 2016 at S.SP. G. College ,Shahajahanpur

(2) Presented a paper titled ‘ Light Microscopy Application In Detection of Chromosomal Aberrations ,held at PGGCG -11, Chandigarh on 22<sup>nd</sup> January 2016.

(3) .Madhumita Bhattacharjee “The Dusky side of Synthetic Food Dyes” in 2<sup>nd</sup> International conference on Innovations in Chemical,Biological & Environmental Sciences ( ICBCES ) on 12<sup>th</sup> Feb 2016 at SS P.G. College Shahjahanpur

### **2015**

(1) Presented poster on research paper entitled, “ Erythrosine Toxicity : A review in National conference on Environmental Issues For Socio- Ecological Development ,organized by Deptt. Of botany , Bareilly College, Bareilly 25-26 February 2015

(2) Presented a research paper entitled “ Toxicity Status of Tartrazine – A Synthetic Yellow Food Colour” in Swami Shukdevanand 7<sup>th</sup> International Seminar organized by Faculty of commerce & research studies , Swami Shukdevanand PG College, Shahjahanpuron 26-27 Feb 2015

### 2014

(1) Presented poster on research paper entitled, “ Mutagenic

Evaluation of Chocolate Brown -HT “ in National conference on trends in plant science and biotechnology ,organized by Deptt. Of botany Panjab University & society for plant research ,India 21-23 February 2014.

### • WORKSHOP/ CONFERENCE/ SEMINAR/WEBINARS ATTENDED

#### 2021

- 1) International conference on New Paradigms for Agriculture, Food and sustainability concerns organized by Agriculture Letters, Raichur, Karnataka from 26-28 Feb 2021
- 2) National webinar Revamping Education sector digitally organized by PGGC 46, Chandigarh on 30 April 2021
- 3) National Webinar on "Revised Accreditation Guidelines of NAAC for Quality Enhancement in Affiliated Colleges" organized by Internal Quality Assurance Cell (IQAC), GGSDS College, Chandigarh in collaboration with National Assessment and Accreditation Council (NAAC), Bangalore on 12 June 2021
- 4) National Webinar on “Environmental Ethics” organized by Baring Union Christian College, baltala , Punjab on 18 June 2021.
- 5) Webinar on “15<sup>th</sup> National Statistic day 2021” organized by Deptt. Of Stat USOI, PU, Chd on 29 June 2021
- 6) Webinar on “UGC Care : Indian Perspectives” organized by Society for Plant research on 3 July 2021
- 7) International level Webinar on “Personality Development and Interpersonal skills” organized by Poona College, Pune on 10 July 2021.
- 8) National Webinar On “Stories of Mind: Causes And Prevention Of Suicide” held on 10 September 2021 organised by PGGC Sec 46, Chd.

#### 2020

1. Attended a National webinar on “Towards excellence in higher education in India in the 21<sup>st</sup> Century : Challenges and opportunities” on 1<sup>st</sup> May 2020 at GAD-TLC & Guru Teg Baahadur Khalsa College, University of Delhi.
2. Attended a Webinar on “ How to Avoid Plagiarism Using-URKUND as a Plagiarism Tool ’on 2<sup>nd</sup> May 2020 at e-Galactic in association with PGGCG 42, Chandigarh & Birla IMT, Greater Noida in collaboration with Ranganathan Society for Social Welfare and Library Development.
3. Attended First leadership talk With Prof.D.P. Singh on 9<sup>th</sup> may 2020 organised by MHRD innovation cell.
4. Participated in a National webinar on “Challenges and prospects in higher education in Global Pandemic” on 10<sup>th</sup> May 2020 organised by Bareilly college ,Bareilly.
5. Attended a Webinar on “Covid 19: High immunity society through scientific blend of traditions and environment” on 13<sup>th</sup> May 2020 organised by SRBS & SS college,Shahjahanpur.
6. Attended a Webinar on “Genomics for food, health and nutrition” on 14<sup>th</sup> may 2020 organised by ICRISAT,Hyderabad.
7. Attended an International e- conference on “Prevalent crisis triggered by the Covid 19 pandemic and its appraisal” on 18-19 th may 2020 organised by Deptt. of chemistry & biomedical science of BCAS.
8. Attended Online entrepreneurship development program on 20-21 May 2020 organised by PGGCG 11 Chandigarh.
9. Attended a National seminar on “Role of biodiversity during Covid 19” on 22 nd May 2020 organised by PGGCG 42, Chandigarh.
10. Attended a National conference on “Scope and need of Digital learning in pandemic situation- Covid -19” on 23 -24 May 2020 organised by Shri Krishna University.M.P.
11. Participated in a National Webinar on “The Covid -19 :Impact, prevention and significance of immunity” on 28<sup>th</sup> May 2020 organised by Chamanlal Mahavidyalaya, Landhaura, Haridwar.

12. Attended a one day International Webinar on Recent advances in understanding eukaryotic protein synthesis using various interdisciplinary approaches” on 29 th May 2020 organised by PG Deptt.of Biotechnology ,Yallpur Khalsa Collge,Jalandhar
13. Attended a Webinar on “Use of anti plagiarism software in teaching & research” on 31 st May 2020 organised by Chandigarh Govt. College teachers Association.
14. Attended a National webinar on “Paradigm shifting education : Classroom to Virtual Mode” on 2<sup>nd</sup> June 2020 organised by Deptt. of Teacher education ,Bareilly college , Bareilly.
15. Attended a one day International webinar “Eco-conscious Agriculture” on 4<sup>th</sup> June 2020 organised by Maris Stella college,Vijayawada.
16. Attended an International e- conference on “Impact of globally growing Turbulence on the world environment” organized by CLM Haridwar,SS college Shahjahanpur on 5<sup>th</sup> June 2020.
17. Attended a Webinar on “Covid -19 and changing environment” organized by NIDM, new Delhi on 9th June 2020.
18. Attended a Webinar on “Publishing Scholarly articles in scopus indexed journals” on 20<sup>th</sup> June 2020 organised by Chandigarh Govt. College teachers Association.
19. Attended a National Workshop ““Online Teaching-Learning using LMS - MOODLE” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi On 17-18 July 2020.
20. Attended a National webinar on “Environment, Development and Covid-19: Some Reflections from Indian Perspectives” organized by PGGCG 42, Chandigarh on 29<sup>th</sup> July 2020.
21. Attended a International e-conference on ““Recent trends in life science research : challenges & promises” on 8<sup>Th</sup> August 2020 organized by Department of botany, SS college, Shahjahanpur,UP government PG college Bazpur,, Uttarakhand & society for research in biological science (SRBS).

22. Attended a National Webinar on “Recent advances in biomass valorisation” on organized by PEC, Chandigarh on 16 November 2020.

### **2019**

1. Attended a ICSSR-NW sponsored National seminar on “Social Inclusion and social Equality through Education ( with reference to North West Indian States)” on 26 th March 2019 at PGGCG-11, Chandigarh
2. Participated in a ICSSR New Delhi sponsored National seminar on “Informal Employment in India : Issues and Challenges on 28 th March 2019 at PGGCG-11, Chandigarh
3. First SPARS International workshop on vaccine chemistry and immunology on April 16<sup>th</sup> 2019 at Punjab University .
4. One day state level Traing Workshop on “ Revised Assessment and Accreditation Framework” ( RAF ) conducted by National Assessment and Accreditation Council , Bengaluru on April 29<sup>th</sup> 2019 at RUSA , Sector 42, Chandigarh .
5. A National seminar on Need and Challenges of Intellectual Property Rights on September 30,2019 at Hindu College Moradabad .
6. A National seminar on “ Recent trend in Interactive sciences : A path to Global Expansion “ at PGGCG 11, Chandigarh on 5<sup>th</sup> November 2019
7. One day National workshop on “ Organic Farming & Waste Segregation “ on November 25, 2019 sponsored by RUSA at PGGC , Sector 46, Chandigarh

### **2018**

1. International workshop on “ Shock wavws in science,Engineering & Medicine on 23<sup>rd</sup> & 24 th Feb 2018 at PGGCG 11, Chandigarh
2. Attended RUSA sponsored workshop on “Dynamic of Interpersonal Behaviour” held on 27.11.2018 at PGGCG-11, Chandigarh.
3. Attended celebration of Akshay Urja Diwas on 20 August 2018 at PGGCG 11, Chad
4. Attended RUSA sponsored capacity building workshop on “Ethics in Public Life”19<sup>th</sup> March 2019at PGGCG-11,Chd.

## **2017**

1. Participated in Rusa sponsored capacity building workshop on Digital economy and Cyber security on 20<sup>th</sup> January 2017 at PGGCG -11, Chd.
2. Participated in a Rusa sponsored capacity building workshop / seminar on “ Life skill Training “ on 2<sup>nd</sup> March 2017 at PGGCG -11 ,Chd under the aegis of State Higher education Council ,Chandigarh.
3. Participated in one day workshop on solar energy – A key to the future on 29<sup>th</sup> March 2017 organised by science society of PGGCG -11, Chd
4. Participated in a Rusa sponsored capacity building workshop / seminar on “ E-Learning – Massive online courses ( MOOCs) at PGGCG -11 , Chd on 5<sup>th</sup> May 2017
5. Participated in a Rusa sponsored capacity building workshop / seminar on “ Hands on Training workshop on G e- market “ on 9<sup>th</sup> May 2017 at PGGCG 11, Chd.
6. Participated in a Rusa sponsored capacity building workshop / seminar on “e Books : selection,acquisition and access” on 25<sup>th</sup> May 2017 at PGGCG 11, Chd.
7. Participated and organize Akshay Urja Diwas Celebrations on 19<sup>th</sup> August 2017 at PGGCG -11 , Chd.
8. Participated in a Rusa sponsored capacity building workshop / seminar on “ Optimizing Emotional well being” on 15<sup>th</sup> November 2017 at PGGCG 11, Chd
9. Participated in a Rusa sponsored capacity building workshop / seminar on Research Ethics, Plagiarism and Quality Research Papers on 18<sup>th</sup> November 2017 at PGGCG -11 ,Chd under the aegis of State Higher education Council ,Chandigarh

## **(2016)**

1. Successfully completed seven days capacity building Workshop “spectrum of Knowledge : An Interdisciplinary Approach ‘ sponsored by Rusa under aegis of Department of Higher Education ,Chandigarh from 29<sup>th</sup> Feb 2016 to 6<sup>th</sup> March 2016.

2. Participated in one day capacity Building workshop on ‘ Institutional Leadership at P.G.G.C.G. -11, Chandigarh ,under Rusa scheme on 19<sup>th</sup> March 2016
3. Participated in one day capacity Building workshop on “ Knowledge Enhancement “ at P.G.G.C.G. -11, Chandigarh ,under Rusa scheme on 29<sup>th</sup> 2016

- **SEMINAR /LECTURE ORGANIZED :**

1. Organising secretary in a National seminar on “ Recent trend in Interactive sciences : A path to Global Expansion “ at PGGCG 11, Chandigarh on 5<sup>th</sup> November 2019
2. Organised a lecture on Oil Conservation on Rajiv Gandhi Akshay Urja Diwas
3. Member of Organising Committee in one day National Seminar on “Emerging Interactive Sciences : Road To Global Development “held at G.C.G. 11 on Aug. 23 ,2008.

**RESEARCH PROJECT :**

A research project entitled

“ Evaluation of drinking water quality of some urban areas of Chandigarh” as principal investigator. Sponsored by Deptt. of Science and Technology , Chandigarh in (2013- 14).

4.

- **ACHIEVEMENTS :**

- (1) Received letter of appreciation from Principal of the college for co-operation and team spirit displayed in making arrangements for the seminar “ Emerging interactive sciences : Road to global development” in August 2008.
- (2) Received “ Best Poster Presentation award “for research paper entitled, “ Erythrosine Toxicity : A review” in National conference on Environmental Issues For Socio- Ecological Development ,organized by Deptt. Of botany , Bareilly College, Bareilly 25-26 February 2015.

• NATIONAL SEMINARS/CONFERENCES ATTENDED FROM  
1997 - 2015

Participated in 3 days national conference on Plant Biotechnology at Bareilly college Bareilly	.23- 25 Dec 1997	03 days
19 <sup>th</sup> annual session of the Academy of Environmental Biology and Symposium on Biomonitoring & Eco conservation held from at Bareilly College Bareilly.	14 <sup>th</sup> -16 <sup>th</sup> Nov. 1998	03 days
Seminar cum workshop on Biodiversity conservation & Soil & its cover management through Vermitechnology on in the college campus organized by Prakriti	11 March 2005.	01 day
A workshop on Basis of Bio- Informatics at P. U. Chandigarh.	28-29 Jan. 2005	02 days
A National workshop on Plant Taxonomy held at Dept. of Botany, Panjab Univ. Chandigarh.	9-10 Dec.2006	02 days



	Regional Symposium cum workshop on “New & Renewable Energy” organized in GCG 11 , Chandigarh	9Feb 2007	01day
	1st Chandigarh Science Congress held at Panjab Univ., Chandigarh	10-11 March 2007	02days
	A Lecture cum workshop on Conserving the forest & aquatic ecosystem as a part of world earth day celebration on at G. C. G. 11 organised by Prakriti	22 April 2007	01 day
	UGC sponsored National Symposium on “ Potential of Biological Sci. in making India a developed country” held at G. C. G. 42 Chandigarh	4 Feb. 2008	01 day
	12 <sup>th</sup> Annual Conference of IABT held, at G. C. G. 42, Chandigarh.	13 April 2008	01 day
	Seminar cum workshop in G.C.G. 11 during World Earth Day celebration.	22 April 2008	01 day
	Organised and participated in lecture on Oil Conservation on Rajiv Gandhi Akshay Urja Diwas	20 August 2008	01 day
	National Seminar on “Emerging Interactive Sciences : Road To Global Development “held at G.C.G. 11	23 Aug ,2008.	01 day
	National Conference on Violence, Peace & Conflict Resolution on at G.C.G. 11,Chandigarh	17-18Feb. 2009	02 days
	3 <sup>rd</sup> Chandigarh Science Congress, organized by Panjab University	26 To 28 Feb 2009	02 days
	ICSSR sponsored Regional Seminar “ Transparency in governance- Effectiveness of right to information	27 march 2009	01 day
1.	Attended workshop on E- content development held at Post Graduate Govt. College for Girls,Sector 11,Chandigarh organized by Education deptt.,Chandigarh Administration	10 – 12 March 2010	03 Days
2.	Participated in 4 <sup>th</sup> Chandigarh Science Congress organized by	19-20 March	02 Days

	Panjab University, Chandigarh on the theme Energy security and environmental challenges	2010	
3.	Attended National seminar on Biodiversity : Retrospect & Prospects,organized by Deptt. Of Botany, Panjab University, Chandigarh	25 March 2011	01 Day
4.	Attended 14 <sup>th</sup> Annual Conference of association of biology teachers held at Post Graduate Govt. College for Girls, Sector 42,Chandigarh	27 March 2011	01 Day
5.	Actively participated in National conference on medicinal orchids : Sustainable use ans benefits sharing for rural and tribal communities at Panjab University, Chandigarh	29 &30 March 2011	02 Days
6.	Attended lecture cum workshop during World Earth day celebrations at Post Graduate Govt. College for Girls, Sector 11,Chandigarh organized by Prakriti the environment society of the college	22 April 2011	01 Day
7.	Attended UGC sponsored National seminar on “ Web Information Systems and Technologies “,organized by Deptt. Of computer applications, at Post Graduate Govt. College for Girls,Sector 11,Chandigarh	9 November 2011	01 Day
8.	Actively participated in National conference on Intellectual property rights and its importance in research, design and development held at Post Graduate Govt. College for Girls,Sector 42,Chandigarh	31 January 2012	01 Day

9.	Attended UGC sponsored National seminar on Biotechnology revolution-its socio –economic impact held at Post Graduate Govt. College for Girls,Sector 42,Chandigarh	22 February 2012	01 Day
10.	Attended UGC sponsored National seminar on “ Media and Governance “held at Post Graduate Govt. College for Girls,Sector 11,Chandigarh	28 March 2012	01 Day
11.	Attended UGC sponsored National seminar on Food security in India : Issues and Perspective” held at Post Graduate Govt. College for Girls,Sector 11,Chandigarh	8 November 2012	01 Day
12.	Actively participated in XVI Annual Conference of association of biology teachers at DAV college ,Sector -10, Chandigarh	12 May 2013	01 Day
13.	Attended a lecture on “ Renewable energy and sustainable development “at Post Graduate Govt. College for Girls,Sector 11,Chandigarh organized by “Prakriti” the environment society of the college	20 August 2013	01 Day
14.	Received participation certification for attending seminar with the theme “ Biodiversity conservation : Role of Educators “ at PHD chamber of commerce ,Sector -11, Chandigarh,organized by an NGO” DEEKSHA “	26 May 2014	01 Day
15.	.Participated in lecture on “Renewable energy :Need of the day” On Rajiv Gandhi Akshay Urja Diwas celebration Organized by environment society of P.G.G.C.G. -11 ,Chandigarh	20 August 2014	01 Day
16.	Attended a workshop on contemporary topics in biology organized by Deptt.of Bio informatics and biotechnology , DAV College , Sector -10, Chandigarh	10-11 Nov. 2014	02 Days

17.	.Participated in a lecture on “ sustainable energy for all ” On Rajiv Gandhi Akshay Urja Diwas celebration Organized by environment society of P.G.G.C.G. -11 ,Chandigarh	20 August 2015	01 Day
18.	Participated in one day seminar on “ Career Opportunities in Defence Research ‘ar P.G.G.C. G. -11, Chandigarh	18 Nov 2015	01 Day
19.	Participated in one day Lecture Cum workshop on Health Care Through Medicinal Plants at P.G.G.C.G. -11, Chandigarh ,under Rusa scheme	28 <sup>th</sup> Nov 2015	
20	Participated in one day faculty development workshop on “ Research Methodology and Statistical Tools in Research at P.G.G.C.G. -11, Chandigarh ,under Rusa scheme	1 <sup>st</sup> Dec 2015	

Self Appraisal Report (in about 200 words):

I humbly introduce myself as enthusiastic botanist and academician ,who eagerly participates in health research. is the clinical trial, in which patients volunteer to participate in studies to test the efficacy and safety of new medical interventions..

I am distinguished alumnus of Rohilkhand University ,my research endeavours includes “Studies on aberration potentials of synthetic food colours on plant chromosomes” . As a UGC NET qualified academician ,I have been actively involved with multiple publications in National and International level Journals, published eight research papers on cytogenetic effect of different artificial food colours on plant chromosomes. During my teaching career I have authored a book titled “ Cell Biology & Genetics : Learn Easy Way” to cater the need of undergraduate students by giving relevant and condensed study material and selected multiple choice questions. This book will definitely help the under graduate as well as post graduate students in a great way to enrich their fundamentals as well as preparation for University and different competitive exams in this field.

I sincerely completed a research project “ Evaluation of drinking water quality of some urban areas of Chandigarh” as principal investigator.

As a personal endeavor, I have also been associated with ace shooter and Olympic gold medal winner Abhinav Bindra for studying the techniques of sports science and mental fitness which enables me to apply same discipline principles to my ideas of imparting education to my students.

To sum up, my teaching experience has been quite gratifying and has always led to the creation of a broader outlook in my life.

- Member Board of studies for the Post Graduate course in Botany (2019-2021)
- Setting of question papers for UG/PG programs
- Evaluation process of University UG & PG exams

**Member of the referee panel / member of editorial board / reviewer:**

- Member of the referee panel of UGC care list approved, springer Journal “Vegetos : An international journal for Plant Sciences and Biotechnology ” for review of manuscripts.
- Member of Editorial board of Peer reviewed Journal “Agricultural Letters”.
- Reviewer of Agricultural Research Communication Centre (ARCC) journals  
<https://arccjournals.com/ourReviewers>

**Life member of the societies**

- Asian PGPR society
- Society for Plant Research
- Indian science congress
- Society for research in biological science (SRBS)
- Agricultural letters

