

## Details of Profile



Name and Designation: Dr. Mala Agarwal

Associate Professor in Botany

Father's Name : Shri H.P. Agarwal (I.A.S.) (Retd.)

Date of Birth : 27/09/1968

Permanent Address : 85-Jai Jawan Colony-2

Tonk Road, Jaipur, Rajasthan302018

Educational Qualification : M.Sc. (Botany) - 1st Division (University of Rajasthan, Jaipur).

P.G. Diploma in Environmental Studies  
(University of Rajasthan, Jaipur).

Ph.D.-*In vitro* Regulation of  
Secondary Metabolites in Certain  
Medicinal Plants (14 March, 2000,  
University of Rajasthan, Jaipur).

Teaching Experience : UG:-22 Years, PG-18Years

Refresher Course/Orientation Course/Training Programme/Conferences/Webinars:-

Name of the Course	Sponsoring Agency	Place	No. of Days	From	To
Refresher Course	UGC	UOR, Jaipur	21	18/09/2006	7/10/2006
Refresher Course	UGC	UOR, Jaipur	21	19/12/2005	7/01/2006
Refresher Course	UGC	UOR, Jaipur	21	11/02/2002	2/03/2002

### Research Projects

Three Minor Research Projects:

- 1 Studies to increase the amount of Artemisinin from *Artemisia annua* L. A potent ant malarial herb (sanctioned by UGC on 13<sup>th</sup> Dec, 2006, Amount- Rs. 40,000).
2. *In vitro* clonal propagation and phytochemical analysis of *Momordica charantia* L. (sanctioned by UGC on 31<sup>st</sup> March, 2009 Amount- Rs.1, 40,000).
3. Effect of high noise levels on hearing (Sanctioned by UGC in June, 2012, Amount Rs.2, 00,000).

## CONFERENCES:

### a. INTERNATIONAL

1. Sacred Groves in India and and Water Conservation(International Conference on Marine Literature, Milad E Sherif Memorial College, Kayamkulam, Allepey, Kerala, July 19,20,2019)
2. Traditional Forest Related Knowledge ,Sacred Groves and Conservation of Biodiversity in South Asia(International Conference on Revitalising BIMSTEC: Promoting Peace through Cultural and Economic Integration, Sikkim University, Gangtok, March 14,15,2019)
3. Scientific evaluation of selected medicinal plants of India(ISMPP International Conference on “Plant Health for Human Welfare”, University of Rajasthan, Jaipur, November 1-4,2017)
4. Cultural Tourism in Rajasthan (International Multi Disciplinary Conference on Language, Culture & Tourism: Issues & Prospects, L.B.S. College, Jaipur, September 8, 9, 2017)
5. Scientific evaluation of selected neutraceutical plants of India (ISMPP International Conference on Plant Health for Human Welfare, University of Rajasthan, Jaipur, November, 1-4, 2017)
6. **Scientific evaluation of selected medicinal plants of India (9<sup>th</sup> International Conference on Traditional Asian Medicines, Kiel, Germany, August 6- 12, 2017)**
7. **Water Conservation: Traditions of Sacred Groves in India (4<sup>th</sup> International Conference on Sustainable Development, Rome, Italy, September 16-17, 2016).**
8. Vaiswikaran mai Janjatiya lok kalao ka badalta swaroop (International Seminar on Aadiwasi Tribes of India: Challenges & Possibilities, jai Naraian Vyas University, Jodhpur, August 9-10, 2016)
9. Literature, Media and environment Awareness (Sadaa<sup>R</sup>Fifth international Conference on “Cross-Cultural Comparisons: Life a Literature, L B S PG College, Jaipur, January 22- 24, 2016).
10. Global Warming: enhancing Cooperation to save the Earth and Humanity (International Conference on India as an Emerging Power in 21<sup>st</sup> century: Possibilities and Challenges before Indian Foreign Policy, Government college, Kota, January 29- 31, 2013).
11. Violent Movements to protect Khejri Trees in Rajasthan (International Conference on Non-Violent Protest Movement: Forms, Techniques and Relevance, S.S.Jain Subodh P.G. College, Jaipur, January 7-9, 2013).

12. In vitro clonal propagation and phytochemical analysis of *Momordica charantia* L. (International Conference on Multidisciplinary Approaches to Diabetes research and Health, University of Rajasthan, November 14-16, 2010).
13. International conference on Mahatma Gandhi and Non-Violence: Towards a Better World (Vardhaman Mahaveer Open University, Kota, June 26-28, 2010).
14. *In vitro* Biosynthesis of artemisinin in Root and Shoot derived Callus Cultures of *Artemisia annua* L. (Paper presented in Young Scientist Award Programme, Indian Science Congress, New Delhi, 2001).

**b. NATIONAL**

1. Amrita Devi: Women Activist of 18<sup>th</sup> century (National Conference on Human Rights are Women Rights: Women's Rights are Human Rights, Government College, Jaipur, September 27-28, 2019)
2. Sacred Groves and Biodiversity Conservation (National Conference on Higher Education and Sustainable Development goals, RLS Government College, Kaladera, Jaipur, December 6-7, 2019)
3. Food and Nutritional security in India (National Seminar on Agricultural Transformation and Rural Development in India, HNBGU University, Srinagar Garhwal, Uttarakhand, October 12-13, 2019)
4. Gandhi as Environmentalist (National Seminar "Sustainable Model of Development Gandhian Perspective, University of Rajasthan, Jaipur, January 28-29, 2019)
5. Gandhi and Science (National Seminar on "Mahatma Gandhi's Vision :Relevance and Challenges In contemporary World, University of Rajasthan, Jaipur, December 21-22, 2018)
6. Bhartiya Lekhan VA Vigyan (National Seminar on Contemporary Indian Writing: A Source of Cultural strengthening, Government Maharaj ACHARYA SANSKRIT COLLEGE, JAIPUR, December 8,9, 2017)
7. Sustainable Sacred Groves (National Seminar on India's Indigenous Development Models: Perspectives and Future Possibilities, sponsored by NABARD, Kanodia PG Mahila Mahavidyalaya, Jaipur, December 6-7, 2016).
8. Women directors of Indian Cinema (National Conference on Multiple Manifestations of Women "Women in Indian Society" (S.S.Jain Subodh P.G. College, Jaipur, December 23, 24, 2016).
9. Challenges of Being Smart City (National Conference on the Smart City Concept: Dimensions and Perspective, Vadik College, Jaipur, October 17-18, 2016).

10. Bio-diesel (National Conference on Sustainable Chemical & Material Sciences, Subodh P.G.College, Jaipur, August5-6, 2016).
11. Corruption and Population: Two Baner of Indian Democracy (National Conference on Bhartiya Rajniti ki Dasha awam Disha, S.S.Jain Subodh P.G. College, Jaipur, January 8-9, 2016).
12. *Momordica Charantia L.* (National Conference on Herbal Medicine, University of Rajasthan, Jaipur, December 22-24, 2015).
13. Production of Secondary Metabolites from *Momordica Charantia L.* (XXXVIII All India Conference of the Indian Botanical Society, University of Rajasthan, Jaipur, October 26-28, 2015)
14. Vanaspati Shastra aur Kautilya ke Sidhanto ka Mulya (UGC sponsored National Conference on Kautilya ka Arthshastra: Atit VA Vartman mai Prasingakta, Rajkiya Maharaja Sanskrit Mahavidyalaya, Jaipur, Rajasthan, Dec22-24, 2014)
15. Floral Biodiversity in Ranthambore National Park (National Conference on Biodiversity: Harmonizing Conservation with Life and Landscape of Arid and Semi-arid Areas, IIS University, Jaipur, October29-30, 2014).
16. Creative Writing: Meaning and Scope (National Conference on srijnatmak lekhan aur Samajik sarokar, B.B.D. Government P.G. College, Chimanpura (Shahpura), April 22-23, 2014).
17. Mass Media and Environment Awareness (National Conference on Media: Samaj aur Bazar, B.B.D. Government P.G. College, Chimanpura (Shahpura), Jan 29-30, 2014).
18. Eco-sustainable tree-*Prosopis cineraria L.* (Khejri) (National Conference on Ecologically Sustainable Development and Limitations of Growth: Future Prospects and Challenges, B.B.D. Government P.G. College, Chimanpura (Shahpura), April 22-23, 2014).
19. Sustainable Development: Concept and Challenges (National Conference on Ecologically Sustainable Development and Limitations of Growth: Future Prospects and Challenges, B.B.D. Government P.G. College, Chimanpura (Shahpura), April 22- 23, 2014).
20. Noise Induced Hearing Loss Caused by mobile Phones (National Conference on mobile phones and Electromagnetic Pollution hazards: Challenges and Solutions, IGHCRF & IIS University, Jaipur, December 20-21, 2013).
21. Environmental Noise: A threat for Human Survival (National Conference on Environmental Terrorism: A Challenge for the New Millennium, St. Wilfred's P.G. College, and Jaipur, October2526, 2013).

22. An Ecofriendly Tree-*Adansonia digitata* L (National Conference on Biodiversity Conservation: Embracing our Future, Preserving our Past, IIS University, Jaipur, September 27, 28, 2013).
23. Vartman Samaj, Yuva Pedhi awam Ahimsa ki Avdharna (UGC sponsored National Seminar on Jain Dharma: Navin Shodh, Sambhavnaye tadha Vartman Pripekshya mein Visvashanti mein Yoga, S.S.Jain Subodh P.G. College, Jaipur, October19, 20, 2012).
24. Environmental Noise and Hearing (National Conference on Environmental Conservation and Management for sustainable Era, S.S. Jain Subodh P.G. College, Jaipur, December 20-22, 2012).
25. *Momordica charantia* L.: A Potent Medicinal Herb(National Conference on AIDS: Current Scenario and Future Challenges, University of Rajasthan, December1-3, 2011).
26. Human Rights and Indian Ethos (UGC sponsored National Seminar on Human Rights in 21<sup>st</sup> Century: Challenges and Prospects, University of Rajasthan, Jaipur, December 10-12, 2011).
27. National Seminar on Role of Toxicants in Environmental Pollution: Causes, Effects and Control (Vedic Kanya P.G. College, Raja Park, Jaipur, Feb3-4, 2010).
28. Biotechnological Approach for Cultivation of Potent Medicinal Herb *Momordica charantia* L.(UGC sponsored National conference on Recent Trends in Environmental Toxicology and Biotechnological Approach to Conserve Environment, International College for Girls and Association of Microbiologists of India, January30-31,2009).
29. Production of Secondary Metabolites from Tissue Culture of *Momordica charantia* L.(National Seminar on Biotechnology in Sustainable Agriculture and Environment Management, Department of Botany, University of Rajasthan & Indian Science Congress Association, Regional Chapter, Jaipur, November 7-8,2008).
30. Effects of Noise on Hearing (State conference on Environmental Pollution, Subodh P.G. College, Jaipur, Rajasthan, Dec21-23, 2006).
31. In vivo and *in vitro* production of Flavonoids from *Momordica charantia* L.(National Conference on Plant Physiology and Biotechnology in Biodiversity Conservation and Agricultural Productivity, University of Rajasthan, Feb24-26,2006).
32. Elicitor Mediated Induction of Artemisinin Production in Suspension Cultures of *Artemisia annua* L.(International Congress, Ayurveda-2000, Chennai, Jan28-30,2000)
33. Regeneration of *Momordica charantia* L. through Organogenesis(National Seminar on Biodiversity, Plant Growth Regulators and Biotechnology, Gujarat University, Ahmadabad, Feb 22-24,1996)

### **C. Participation in National Conferences:**

1. National Seminar on Indian Economy :The Emerging Issues (Maharani College,Jaipur,Februry 16-17,2016)
2. National Seminar on Environment Impact Assessment: Issues, Significance and Challenges (sponsored by UGC, RIICO,Kanodia PG Mahila Mahavidyalaya, Jaipur, December 6-7, 2013).
3. National Conference on Environmental Issues, Toxicology and Exposure Science (Agarwal P.G. College, Jaipur, September 20-21, 2013).
4. International Conference on Drug development: A Collaborative Approach of Chemist and Biologist, (Biyani Girls College, Jaipur, September 17, 2012).
5. UGC sponsored National Seminar on Bhartiya Loktantra: Samsamiyikta, Vastaviktayae avam Chunotiyam (Subodh College, Jaipur, and January 27-28, 2012).
6. National Seminar on Desert women and Environment (Vedic Kanya P.G. Mahavidyalaya, Raja Park, Jaipur, Nov25-27, 1999).

### **D .WORKSHOPS/TRAINING PROGRAMMES:**

1. Training programme on 'Desk Top Presentation using MS Power Point' Organization (HCM Rajasthan Institute of Public Administration, Jaipur. J July, 21-23, 2016)
2. Leadership, Motivation and Attitudinal Change in Organization (HCM Rajasthan Institute of Public Administration, Jaipur. July, 27-29, 2016)
3. Training Programme on Prevention of Violence against women & Girl Child (HCM Rajasthan Institute of Public Administration, Jaipur.September, 14-16, 2015).
4. UGC sponsored National workshop on Empowering India through e-governance (Government College, Kishangarh, Ajmer, Rajasthan, and Dec 18-19, 2014).
5. Three day National Conference on Issues in Rainfed Agriculture in India:Focus on Small, Marginal and Dalit Farmers(Institute of Development Studies, Jaipur, September 2—4,2014)
6. Training Programme on Violence against women & Girl Child-Prevention and Control (HCM Rajasthan Institute of Public Administration, Jaipur, January 22-24, 2013).
7. INDO US CITI WORKSHOP on Promoting Ethics & Professionalism in Biomedical Research( Poddar International College, Jaipur, January 23,2012).
8. Workshop cum Training Programme in Gandhian Methods of Non violent Conflict Resolution (Vardhman Mahaveer Open University, Kota, October 3-9, 2010).
9. Workshop on Gandhian Method (Vardhman Mahaveer Open University, Kota, Jan 31-Feb 6, 2010 held at VMOU Regional Centre, Jaipur).

10. Faculty Development Programme on entrepreneurship (Entrepreneurship & Management Development Institute, Jaipur December 10-23, 2009).
11. Rajasthan State Certificate in Information Technology of RKCL (2010).

#### **E. Webinar's and E workshop**

1. E workshop on Virtual Labs: Next Generation of Experimentation(Govt. Shakambhar P.G. College, Sambhar Lake,Jaipur,December21,2020).
2. Online training course on “Issues and Challenges in Responding to Epidemic(COVID 19”,24-25 August 2020)
3. Mid Carrer Training Programme for State Services Officers(MCT)(HCM Rajasthan State Institute for Public Administration,Campus-Udaipur).

#### **Editor and Reviewer of International Journals:**

1. Medicinal Plants, Science Publishing Group, U.S.A.(Lead Guest Editor)
2. Global Journal of Biotechnology and Biochemistry, Member-Editorial Board, Research India Publications, ISSN 2248-9894.
3. Science Discovery, Science Publishing Group, U.S.A., ISSN2331-0642.
4. Science Research, Science Publishing Group, U.S.A., ISSN2329-0935.
5. Plant Cell Biotechnology and Molecular Biology(International Knowledge Press)
6. Archives of Current Research International(Science DOMAIN International)
7. The Philippine Agriculture Scientist

#### **Membership of academic bodies : - Life Member of:**

1. Indian Science Congress
2. Indian Botanical Society
3. ISTAM, Germany

#### **Research Supervisor**

Research guide of University of Rajasthan since 2011

- 1. Priti Khandelwal-** Isolation, Identification and comparative study of bioactive compounds from *Prosopis cineraria L.* And *Prosopis juliflora L.* (**Ph.D. awarded on 22/06/2017**)
- 2. Tulika Tyagi-** Isolation, Identification and comparative study of bioactive compounds from *Pistia stratotes (L.)*And *Eichhornia crassipes (Mart.)*. (**Ph.D. awarded on 14/03/2018**)
- 3. Anju Sharma-**Antimicrobial, antioxidant & hypoglycemic activities of bioactive compounds isolated from *Adhatoda vasica (Nees)* and *Allium sativum (L.)*.

**4. Kanchan Kumari** -Phytochemical analysis of *Tinospora cordifolia* Miers. & *Glycyrriza glabra* Linn. their antimicrobial efficacy and antioxidant activities.

**5. Priyanka Gupta**-Effects of Heavy Metals on seed germination, plant growth and biochemical contents of *Lycopersicon esculentum* L. and *Momordica charantia* L.

#### **Innovative Skills:-**

**(1.) Lesson Planning:** I generally plan my lesson to be taught to students on the basis of scientific aptitude; initially I give introduction about chapter, and then teach about its basic contents and details of the chapter according to the need of examination and understanding of students.

**(2.) Problem solving skill/Interaction with students and parents:** Regarding studies we take monthly tests and also discuss the questions and answers after completing the chapter. We interact with parents through community connect programme as well as during prize distribution and various other functions of the college.

**(3)Time Management:** Time management require that whole syllabus should be completed well in time, for that I distribute enough time to all chapters according to their simplicity and complexity.

**(4)Quality Teaching skills/Teaching methods:** To make my teaching effective I believe and use teaching aids like slides, specimen, models, online material, charts etc.

#### **Publications Research/Books:-**

##### **Publications**

##### **A. BOOKS:**

##### **International:**

1. Greenland: A Land of Unique Biodiversity, Lap Lambert Academic Publisher, Germany, December 2020, ISBN 978-613-9-99380-2.
2. The Wonder Weeds (*Pistia stratiotes* Land *Eichhornia crassipes* (Mart) solms) Lap Lambert Academic Publisher, Germany, June 2014, ISBN 978-613-9-45800-4.
3. The Wonder Trees of Rajasthan Lap Lambert Academic Publisher, Germany, June 2014, ISBN 978-613-9-91897-3.
4. *Momordica charantia* L.A Potent Medicinal Herb, Lap Lambert Academic Publisher, Germany, June 2014, ISBN 978-3-659-56191-7.
5. Environmental Noise and Hearing, Lap Lambert Academic Publisher, Germany, May, 2014, ISBN 978-3-659-53907-7.

##### **National:**

1. Environmental Noise, RBSA Publishers, Jaipur, 2009, ISBN 978-81-7611-413-4.
2. Medicinal Plants, RBSA Publishers, Jaipur, 2002, ISBN 978- 81-7611-119-8.



## **B. Chapters in Books :**

1. Elicitors and Plant Defence Mechanism published in Advances in Biotechnology, (Eds.), Saxena MK & Kapoor BBS p91-111, Madhu Publications, 2009, ISBN 81-86644-17-2.
2. Role of Secondary Metabolites in Defence Mechanism of Plants Published in Medicinal Plants, Utilization and Conservation, 2nd revised and enlarged Edition, (Eds.), Trivedi PC p505-529, Avishkar Publications, Jaipur, 2009, ISBN 978-81-7910-228-2.

## **C. RESEARCH PAPERS:**

### **a. International:**

1. Qualitative Phytochemical Analysis and Antioxidant Activity of Methanolic Extract of *Eichhornia crassipes* (Mart.) Solms and *Pistia stratiotes* L. (International Journal of Pharmacognosy and Phytochemical Research, 9(5):632-636, 2017, ISSN 0975-2331,).
2. GC-MS analysis of invasive weed *Pistia stratiotes* L. and *Eichhornia crassipes* (Mart.) solms. (International Journal of Current Pharmaceutical Research, Vol 9:3(111-117), 2017, ISSN 0975-7066, URL-<http://journalcmpr.com/>).
3. Gas Chromatography-Mass Spectrometry analysis of bioactive constituents of the Ethanolic Extracts of *Pistia stratiotes* L. (International Journal of Basic and Applied Medical Sciences, Vol7 (1):14-21, January-April, 2017, an open access online International Journal, URL-<http://www.cibtech.org/jms.htm>, ISSN: 2277-2103).
4. Water & Biodiversity Conservation: Traditions of Sacred Groves in India (European Journal of Sustainable Development, 5, 4,129-140, 2016, URL- [http:// www. ecsdev. org/index.php/publication](http://www.ecsdev.org/index.php/publication)).
5. Phytochemical analysis of various parts of *Prosopis cineraria*. (International Journal of Pharmacy and Chemistry, USA, Vol2 (1):6-9, 2016, URL-[www. Science publishing group.com/j/jps](http://www.sciencepublishinggroup.com/j/jps)).
6. Pharmacology and therapeutic applications of *Prosopis Juliflora*: A Review. (Journal of Plant Sciences, USA, and Vol3 (4):234-240, 2015, ISSN 2331-0731).
7. *In vitro* regulation of bioactive compounds in *Trigonella* sps by mutagenic treatment. (Journal of Plant Sciences, Science Publishing group, USA, Vol3 (1-1)40-44, 2015).

8. Pharmacology, Phytochemistry & Therapeutic application of *Prosopis cineraria* Linn. A Review (Journal of Plant Sciences, Science Publishing group, USA, Vol3 (1-1)33-39, 2015).
9. Tissue culture of *Momordica charantia* L.: A review. (Journal of Plants Sciences, Science Publishing group, USA, Vol3 (1-1)24-32, 2015, ISSN2331-0723) (I. F.-1).
10. Pharmaceutical potential of aquatic plant *Pistia stratiotes* (L.)and *Eichhornia crassipes* (Journal of Plant Sciences, Science Publishing group, USA, Vol3 (1-1)10-18, 2015).
- 11 Therapeutic efficacy of *Centella asiatica* (L.) and *Momordica charantia*: As Traditional Medicinal plants (Journal of Plant Sciences, Science Publishing group, USA, Vol3 (1- 1)1- 9, 2015).
12. Aquatic Plants *Pistia stratiotes* L. and *Eichhornia crassipes* (Mart.) Solms: An Sustainable Ecofriendly Bio resources-A Review (International J. For Pharmaceutical Research Scholars, Vol3 (1-2)540-550, 2014, ISSN 2277-7873, URL-http: // www. ijprs.com/).
13. Effects of Traffic Noise Pollution in Jaipur City on hearing (International Journal of Environmental, Pharmaceutical and Chemical Research, Vol5 (1)1-7, Jan-April, 2014, ISSN 2229-3892).

**b. National:**

1. An important Ethnomedicinal Invasive weeds *Eichhornia crassipes* (Mart.) solms and *Pistia Stratiotes* (L.): Phenolic Profiling and Antioxidant Activity (Research Journal of Pharmacognosy and Phytochemistry 10(1).p53-58, January-March, 2018).
2. Ethnomedicine analysis of Bioactive Constituents in Ethanolic leaf extract of *Pistia stratiotes* L. and *Eichhornia crassipes* (Mart.) Solms by GC-MS. (Advances in Bioresearch, 8(5): 200-210, 2017,ISSN 976-4585,URL-http:// www. soeagra. Com / abr/html).
3. Isolation and identification of flavonoids from *Prosopis juliflora*. (Mintage Journal of Pharmaceutical & Pharmaceutical research.6 (1); 1-3, 2017, ISSN 23210 -3315, http: //www.mintagejournals.com).
4. Antioxidant Properties and Phenolic Compounds in Methanolic extract of *Eichhornia crassipes* (Mart.) solms (Research J.of Phytochemistry, 2017, an open access Journal, ISSN1819-3471, URL-http://www.rjpbc.com).

5. Phytochemical screening and GC-MS analysis of bioactive constituents in the ethanolic extract of *Pistia stratiotes* L. and *Eichhornia crassipes* (Mart.) solms. (Journal of Pharmacognosy and Phytochemistry, 6(1)195-206, 2017, ISSN2278-4136)(I.F.-0.255).
6. Phytochemical analysis of various parts of *Prosopis juliflora*. (Mintage Journal of Pharmaceutical & Medical Sciences, Vol5 (3)16-18, 2016, ISSN 23210 -3315).
7. Environmental Noise and Hearing. (Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol5 (2)625-635, March-April2014, ISSN0975-8585)(I.F.-0.35).
8. A Case Study of Impacts of Tannery Effluent of Leather Industry of Manpura-Machedi on Ground Water Quality of that area (Journal of Pharmacognosy and Phytochemistry,2(2)203-207,May2013,ISSN2278-4136jospindia.com/curren-issues.php, URL-http://www.sa) (I.F.-0.255).
9. *In vitro* clonal propagation and phytochemical analysis of *Momordica charantia* L. (Journal of Pharmacognosy and Phytochemistry, 2(1) 66-77, May2013) (I.F.-0.255).
10. Effect of Cadmium and Zinc on growth and Biochemical Parameters of Selected Vegetables. (Journal of Pharmacognosy and Phytochemistry, 2(1)106-114, May2013).
11. Studies on effect of Salicylic acid on Production of Diosgenin in Callus Cultures of *Momordica charantia* L. (South Asian Journal of Socio-Political Studies, 9(1)90-91, July-Dec, 2008, ISSN0972-4613) (I.F.-1).
12. Studies on Flavonoid Production using *in vitro* Cultures of *M.charantia* L. (Indian J of Biotech. Vol 6, p277-279, April, 2007, ISSN0972-5849, URL-http: // www. niscair. res.in/sc) (I.F.-0.7).
13. Studies on *in vitro* influence of Salicylic Acid on Production of artemisinin in Callus Cultures of *Artemisia annua* L (Indian Drugs43 (11), p925-928, November, 2006).
14. Studies on *in vitro* influence of cholesterol production of Diosgenin using Callus Cultures of *Momordica charantia* L. (Indian Drugs 42(10)688-692.October, 2005, ISSN0019-462x).
15. *In vitro* Clonal Propagation of *Momordica charantia* L. (Indian Journal of Biotech., CSIR, New Delhi, Vol3, p426-430, July, 2004, ISSN 0972-5849) (I.F.-0.7).

16. Artemisinin from Callus Cultures of *A.annua* L. (Advances in Plant Sciences, 17(ii) 371-378, December, 2004, ISSN0970-3586).
17. Studies on Steroid Production using *in vitro* Cultures of *M.charantia* L. (JMAPS, VOL.26, p318-323, CIMAP, Lucknow, June, 2004, ISSN0253-7125).
18. *In vitro* Regeneration of *M.charantia* L. through Production of Multiple Shoots from Shoot Explants (Advances in Plant Sciences, U.P., 16 (11) 361-365, 2003).
19. Effects of High Noise Levels on Hearing (Everyman Science vol.xxx vii No 2, p102-103, Kolkata, July-September, 2002).

**Organizing Capacity/Skill (Details of organized programmes)**

Organised programmes according to guidelines given as member/convener of various committees

**Language Proficiency:**-Hindi, English

**Awards:** - The Young Scientist Award (ISCA, 2000).

Fellow, Indian Botanical Society, 2010).

**Professional Ethics:**-To educate the students for their future with the spirit of service to the nation

**Objectives:**-To create awareness among masses through education

-To educate young population of India so that they can serve the country as good and responsible citizens

**Social Work/Growth:**-To develop a responsible society through educating our young population with moral values.

**Name:-Dr. Mala Agarwal**

**Mobile No:-9414075180**