

1. **Name of faculty: Dr. Aparna Pareek**
2. **Department: Botany**
3. **Designation: Assistant Professor**
4. **Age as on 01.01.2016: 41 years 6 months**
5. **Educational Qualifications: M.Sc PhD**
6. **Teaching Experience as on 01.01.2016 –Thirteen years**
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10. **Email ID:aparna992000@yahoo.com**
11. **Details of Research Projects:**

<b>S. No.</b>	<b>Title of project</b>	<b>Co-investigator if any</b>	<b>Funding Agency</b>	<b>Year of sanction</b>	<b>Year of completion</b>	<b>Funds received (in Lacs)</b>
<b>1.</b>	Studies of Medicinally Important Plants in Relation to Ethnobotanical Aspects of Kaladera Region	-	<b>UGC, New Delhi</b>	<b>2005</b>	<b>2007</b>	<b>1 Lakh</b>
<b>2.</b>	Studies on biodiversity conservation and exploitation of plants in the rural areas of Jaipur district	-	<b>UGC, New Delhi</b>	<b>2008</b>	<b>2009</b>	<b>65000/-</b>

## 12. List of Publications:

Authors names	Title of paper	Name of Journal	Vol. No.	Pages from - to	Year
Pareek A and RK Meena	Antimicrobial activity of Aegle Marmelos	International Journal of Pharmatech Research	Accepted for publication	-	2016
Pareek A and RK Meena	Antimicrobial activity of Syzygium cumini	<b>Indian Journal of Applied Research</b>	Vol 5 (9)	63-65	2015
Pareek A and Trivedi PC.	Common Folk Proverbs in relation to Environment and Plants in Rajasthan, Jaipur	<b>Journal Indian Botanical Society</b>	Vol 93(3&4)	<b>5-9</b>	(2014).
Pareek A, Sharma D. and Pareek LK	In Vitro Micropropagation through Cotyledonary nodal segments in Prosopis cineraria L.	Research Journal of Pharmaceutical Biological and Chemical Sciences.	Vol 3(3) July-September	309-313	2012
Pareek A and Pareek LK	Commiphora wightii (Guggal). An endangered Medicinal Plant of Rajasthan Needs Attention of Biotechnologists for its Conservation. A critical analysis and review.	Research Journal of Pharmaceutical Biological and Chemical Sciences	Vol 3(1) Jan-March.	83-89	2012
Pareek A and Trivedi PC	Conservation of medicinal important	Int.J.Mendal	Vol 28(1-4)	77-79	2011

strategies.	plants of Jaipur district, Rajasthan through tissue culture strategies				
Pareek A and Trivedi PC.	Indian Floriculture Industry Heralds a New Beginning: Prospects and Limitations	In: Biotechnology A new Approach(ed) PC Trivedi. Agrobios (India) Jodhpur		309-324	2011
Pareek A and Trivedi PC	Ethnobotanical Studies on Medicinal plants of Kaladera Region of Jaipur District.	Indian Journal of Fundamental and Applied Life Sciences	1(1) Jan-Mar	60-64	2011
Pareek A and Trivedi PC	Cultural values and indigenous knowledge of climate change and disaster prediction in Rajasthan, India,	Indian Journal of Traditional Knowledge	10(1)	183 - 189	2011
Pareek A and Trivedi PC	Biotechnological Approaches to control Pollution	In: Environmental Pollution Causes, Mitigation and Recycling. Ed. PC Trivedi, Pointer Publishers, Jaipur		211-224.	2010
Pareek A and Trivedi PC.	Distribution and medicinal uses of some plants mentioned in epic Ramayana.	Environmental Biology and Conservation.		1-15	2010
Pareek A and Pareek LK	Biological warfare: A serious threat in the 21st century	In: Applications of Microbiology. Ed. PC Trivedi, Aavishkar Publishers,		117-132.	2010

		Distributors			
Pareek A (Trivedi,	Micro Arrays: Chipping away at the mysteries of Science and Medicine	In: Biotechnological Techniques and its Applications. Ed. PC Trivedi, Pointer Publishers Jaipur		85-97.	2010
Pareek A and Trivedi PC	Synthetic Seeds : A novel Concept in Seed Technology	In : Seed Technology and Quality Control ed. PC Trivedi, Pointer Publishers Jaipur		62-79	2010
Pareek A and Trivedi PC	Global Developments of Organic Agriculture: Challenges and Prospects.	In : Organic Farming for Sustainable Agriculture ed. PC Trivedi Aavishkar Publishers, Distributors		1-26	2010
Pareek A	Role of Tissue culture techniques in conservation of Ethnobotanically important flora of Kaladera region (district Jaipur)	Role of Tissue culture techniques in conservation of Ethnobotanically important flora of Kaladera region (district Jaipur)		201-204	2010
Pareek A and Trivedi PC	A Bird's eye view on the Ethnobotanical Studies of Rajasthan.	In: Ethnic Tribes and Medicinal Plants. Ed (PC Trivedi) Pointer Publishers, Jaipur		232-	2010
Pareek A.	Biodiversity conservation and exploitation of some important plants of surrounding	In: Ethnic Tribes and Medicinal Plants. Ed (PC Trivedi) Pointer Publishers, Jaipur			2010

	rural areas of Jaipur district.				
Pareek LK and Pareek A	The Engineering of Medicinal Plants: Prospects and limitations of Medicinal Plant Biotechnology.	Proficient, International Journal of Medicine	1(1)	38-41.	2010
Pareek A and Pareek LK	In vitro Tissue Culture Studies in various leguminous plants: A critical review	In: Advances in Applied biotechnology. ed (Parihar and Parihar). Agrobios (India) Jodhpur.		177-211.	2010
Pareek A & Trivedi PC	Indigenous knowledge and plant genetic resource conservation in Kaladera region, Jaipur.	Int. J. Mendel,	27 (1-2)	43-44.	2010
Pareek A & Pareek, LK	Biotechnological advances in India: An overview	. In: Role of Biotechnology in Medicinal Plants. ed (PC Trivedi). Aavishkar Publishers, Distributors, Jaipur		218-232	2010
Pareek A, Mathur A and Pareek LK.	An account of advances in In Vitro Morphogenetic studies of Pulses.	In: Biotechnology and Food Security. (ed) PC Trivedi. Aavishkar Publishers, Jaipur		164-	2008
Sharma OP, Pareek A, Sharma N and Pareek LK	.Medicoethnobotanically important plants of Jhunjhunu district,	In: Ethnomedicinal plants of India. (ed) PC Trivedi. Aavishkar Publishers, Jaipur		292-	2008

	Rajasthan.				
Pareek A and Kothari SL.	Plant regeneration from leaf mesophyll protoplasts of <i>Dianthus caryophyllus</i> (L.).	Phytomorphology	57(1&2).	1-4	2007
Pareek A and Pareek LK.	Role and relevance of biotechnology in biodiversity conservation and sustenance	Int. J. of Bioscience Reporter	(1)	1-3	2005
Pareek A and Pareek LK.	De novo differentiation of shoots of <i>Dianthus barbatus</i> from callus cultures	Journal of Cell and Tissue Research	5(1)	327-329.	2005
Singh SK, Pareek A and Pareek LK.	A bird eye view on morphogenetic studies of <i>Morus</i> species.	Ind. J. of Bioscience Reporter	2(2)	136-143.	2004
Pareek A, Kantia A and Kothari SL	In Vitro cloning of ornamental species of <i>Dianthus</i>	Indian Journal of Biotechnology,	3, pp. 263-266.	263-266.	2004
Kantia A, Tyagi P, Pareek A and Kothari SL	Advances in micropropagation and genetic manipulation of ornamental plants.	In: Glimpses in Plant Sciences and Biotechnology (ed) PC Trivedi, Pointer Publishers, Jaipur,		245-266.	2003
Pareek LK, Hinger S and Pareek A.	In Vitro Morphogenetic Studies of <i>Vigna</i> Species- A Review	In: Glimpses in Plant Science and Biotechnology (ed) PC Trivedi. Pointer Publishers, Jaipur.		267-	2003
Pareek A and	Direct somatic embryogenesis	Scientia Horticulture,	98	449-459.	2003

Kothari SL.	and plant regeneration from leaf cultures of ornamental species of Dianthus				
Pareek A, Kantia A, Jain A and Kothari SL.	Micropropagation of ornamental species of Dianthus. In: R	In: Role of plant tissue culture in biodiversity, conservation and economic development (eds) S.K. Nandi, M.S. Palni and A Kumar. Gyanodaya Prakashan, Nainital, India,		125-134	2002
Pareek A and Kothari SL.	Adventitious shoot regeneration from leaf explants in ornamental species of Dianthus.	Journal of Indian Botanical Society,	81	339-343.	2002

### 13. List of Books Published:

Authors names	Title of Book	Name of Publisher	Year
<b>Aparna Pareek LK Pareek</b>	1. Plant Tissue Culture Manual: Fundamentals & Applications in Biotechnology.	Aavishkar Publishers and Distributors, Jaipur, ISSN: 978 - 81 - 7910 - 416 - 3.	<b>2012</b>

### 13. List of Conferences / Symposium/ Refresher Courses Attended

<b>S. No.</b>	<b>Programme</b>	<b>Duration</b>	<b>Organized by</b>
1.	Workshop on Bioinformatics - Current Trends	March 24-25, 2002	Birla Institute of Science and Research, Jaipur
2.	Patent Awareness Workshop organized by Patent Information Centre, Department of Science & Technology, Govt. of Rajasthan, Jaipur	11th Feb. 2003	R.A. Poddar Institute of Management, University of Rajasthan, Jaipur.
3.	National Symposium on Plant Biotechnology : Role in Sustainable Development held in University of Rajasthan, Jaipur	17th - 19th Feb., 2003	Plant Tissue Culture Association of India.
4.	National Symposium on Biotechnology for Food, Health and Environmental Security	March 3-4, 2005	University of Rajasthan, Jaipur.
5.	National Conference on Role of Plant Physiology and Biotechnology in Biodiversity Conservation and Agricultural Productivity and Annual Meeting of Society for Plant Physiology and Biochemistry held at Department of Botany, University of Rajasthan, Jaipur	24th to 26th Feb. 2006.	University of Rajasthan, Jaipur
6.	Seminar on Environmental Problems of Jaipur sponsored by Department of Science and Technology, Govt. of Rajasthan held	25th Feb. 2006.	Vedic Kanya Mahavidyalaya, Jaipur
7.	National Symposium on Biotechnology for Sustainable Agriculture and Conservation of Biodiversity	March 25-26, 2006	University of Rajasthan, Jaipur.
8.	All India Seminar on Advances in Botanical, Biotechnological and	26-28 December	MNIAS Bikaner



	microbiological researches in India during last decade (1996-2006) jointly organized by University of Bikaner and MN Institute of Applied Sciences Bikaner	2006.	
9.	Information and Communication Technology (ICT) workshop	20 January to 6 <sup>th</sup> February 2009	RL Saharia Government PG College, Kaladera
10.	4 <sup>th</sup> Indo-Japan International Symposium on Nanotechnology and health care in the developing world	September 21-22, 2009	Biyani Girls College, Jaipur.
11.	5 <sup>th</sup> Indo-Japan International Symposium on Innovative Molecular Approaches in Global Health Research	September 20-21, 2010	Biyani Girls College, Jaipur.
12.	xxxiii Conference of Indian Botanical Society and International Symposium on the New Horizons of Botany	November 10-12, 2010	Department of Botany, Shivaji University, Kolhapur.
13.	80 <sup>th</sup> Annual Session and National Symposium on Climate Change-Research Awareness and Capacity Building	December 2-4, 2010	Jaipur National University, Jaipur..
14.	6 <sup>th</sup> Biyani's International Conference-2011(BICON11) on Innovations in the latest healthcare issues	September 19-21, 2011	Biyani Girls College, Jaipur.
15.	xxxiv Conference of Indian Botanical Society	October 10-12, 2011	Department of Botany, Lucknow University, Lucknow.
16.	international conference on Cancer Prevention, diagnosis and treatment under the auspices of Indian Society for Radiation	21-22 January 2012	University of Rajasthan, Jaipur.

	Biology(ISRB)		
17.	7th Biyani's International Conference-2012(BICON 12) on Drug Development: A Collaborative Approach of Chemist and Biologist held Innovations in the latest healthcare issues	September 17 2012	Biyani Girls College, Jaipur.
18.	National Seminar on Environment Management and Biodiversity Conservation (Present status and Future strategy)	6th and 7th October, 2012	Govt. Lohia PG College, Churu.
19.	8th Biyani's International Conference-2012(BICON 13) on Agrobiodiversity and their impact on Global Challenges	September 23 2013	Biyani Girls College, Jaipur.
20.	The National Seminar on Chemistry for Economic Growth and Human Comforts	August 31, 2013	Department of Botany, University of Rajasthan, Jaipur
21.	The National Seminar on Environmental Conservation and Resource Management : Issues and strategies for sustainable future at Indira Gandhi Centre for Human Ecology, Environmental and Population Studies	June 5, 2015	University of Rajasthan, Jaipur
22.	The ISCA National Seminar on "Advances in Natural Science for indigenous development in India	2nd Oct., 2015	Department of Botany, University of Rajasthan, Jaipur
23.	The xxxviii All India Conference of the Indian Botanical Society and National Symposium on emerging trends in plant sciences	October 26-28 2015	Department of Botany, University of Rajasthan, Jaipur
24.	National Conference on Environmental issues, toxicology	20-21 Sept. 2013	Department of Zoology, Agarwal P.G. College,

	& exposure science		Jaipur
25.	The National Seminar & Science Modal Exhibition on Innovations in Science & Technology for Inclusive Development	16th & 17th January 2014	Dr. B. Lal Institute of Biotechnology, Jaipur
26.	National Seminar on Environmental Conservation and Sustainable Development : Issues and Challenges	June 5, 2014	Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur
27.	National Conference on Plant Bioresource Management and Biotechnology	January 29-31, 2014	Department of Botany, University of Rajasthan, Jaipur
28.	One Day Workshop on "Intellectual Property Rights" University of Innovation Cluster - Biotechnology	March 3, 2015	Centre for Converging Technologies, University of Rajasthan, Jaipur
29.	National Symposium on Green Economy & Harnessing Natural Products for sustainable Development	July 12, 2014	Department of Zoology, University of Rajasthan, Jaipur

#### **PARTICIPATION IN UGC - SPONSORED REFRESHER / ORIENTATION COURSES:**

- Participated in the UGC sponsored **Orientation Course** conducted by the University of Rajasthan. Jaipur from 21<sup>st</sup> August to 16<sup>th</sup> September 2003 and awarded **Grade 'A'** by the Academic Staff College, University of Rajasthan, Jaipur.
- Participated in the UGC sponsored **Refresher Course in Biotechnology** conducted by the University of Rajasthan. Jaipur from 13th September to 2nd October 2004 and awarded **Grade 'A'** by the Academic Staff College, University of Rajasthan, Jaipur.

- Participated in the UGC sponsored **Refresher Course in Botany** conducted by the University of Rajasthan. Jaipur from 19<sup>th</sup> December 2011 to 7<sup>th</sup> January 2012 and awarded **Grade 'A'** by the Academic Staff College, University of Rajasthan, Jaipur.
- Participated in the UGC sponsored **Refresher Course in Botany** conducted by the University of Rajasthan. Jaipur from 10<sup>th</sup> December 2012 to 29<sup>th</sup> December 2012 and awarded **Grade 'A'** by the Academic Staff College, University of Rajasthan, Jaipur.
- Participated in the UGC sponsored **Refresher Course in Human Rights & Women Studies** conducted by the University of Rajasthan. Jaipur from 8<sup>th</sup> June 2015 to 27<sup>th</sup> June 2015 and awarded **Grade 'A'** by the UGC, HRDC, University of Rajasthan, Jaipur.

#### 14. Papers in Conference Proceedings:

Authors names	Title of paper	Name of Conference, City, Country	pages from – to	Year
Pareek A	Role of Biotechnology in the conservation of Floristic diversity of Kaladera region, District Jaipur	In: Proceedings of the National Conference on Environmental Conservation, September 1-3, BITS Pilani, Rajasthan	671-675	2006

#### 15. National / International Awards received

##### ACADEMIC ACHIEVEMENTS

- **Awarded Gold medal and Certificate of Merit** for securing highest marks in Botany in B.Sc. Examination, 1996 conducted by University of Rajasthan, Jaipur.
- **Awarded Gold medal and Certificate of Merit** for securing highest marks in Zoology in B.Sc. Examination, 1996 conducted by University of Rajasthan, Jaipur.
- **Awarded Gold medal and Certificate of Merit** for securing highest marks and **Ist Position** in M.Sc. Botany Examination, 1998 conducted by University of Rajasthan, Jaipur.
- **Awarded First Prize** by the Indian Science Congress Association (ISCA) Jaipur Chapter on Environment Quiz Contest held on 7.11.1999.

- **Passed Joint CSIR – NET Test** for Junior Research Fellowship (JRF) and Eligibility for Lectureship (NET) Examination held on 20.12.1998.
- Selected for the **post of Lecturer in Botany** by the Rajasthan Public Service Commission, Ajmer in 2002 and stood **second in the merit list** of selections.
- Selected for **UGC Research Award** for two years (August 2009-August 2011) Worked at present under the said award at the Department of Botany, University of Rajasthan, Jaipur .

**16. Membership of technical societies / academic bodies/ National or international organizations (if any):**

- Fellow Indian Botanical Society.
- Life Member of Indian Science Congress Association of India.