



# S.P.C.G.C., Ajmer

## Faculty Profile



- 1 Name: Dr. Girish Raisinghani**
- 2 Designation: Associate Professor**
- 3 Department: Botany**
- 4 Educational Qualification:**

<i>Level</i>	<i>Name of University</i>	<i>Year</i>	<i>Title/ Remark/ Medal</i>
<i>P.G.</i>	MDS University, Ajmer	1989	Specialization in Plant Pathology
<i>M.Phil.</i>	-	-	-
<i>Ph.D.</i>	MDS University, Ajmer	1993	TITLE-Induced Mutagenesis in <u>Trigonella corniculata</u> L. and <u>Vigna mungo</u> L. with Gamma Rays and two Alkyating Agents.

### 5 Teaching / Research Experience:

<i>UG</i>	30 years	<i>PG</i>	20 years	<i>Research</i>	24 years
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### 6 Membership (Academic Bodies)

**LIFE MEMBER OF :**

- I. INDIAN BOTANICAL SOCIETY**
- II. ASSOCIATION OF MICROBIOLOGISTS OF INDIA**
- III. THE INDIAN SCIENCE CONGRESS ASSOCIATION**

7 M.O.O.C (Developed by Faculty):

8 Awards Received:

9 Academic Courses Attended:

<i>Course</i>	<i>Place</i>	<i>Sponsoring Agency</i>	<i>Duration</i>
<i>Orientation Course</i>	University of Rajasthan, Jaipur	U.G.C	30.03.99 -25.04.99
<i>Refresher</i>	Jai Narayan Vyas University, Jodhpur	U.G.C	09.09.96-28.09.96
<i>Refresher</i>	MDS University, Ajmer	U.G.C	02.12.02-22.12.02
<i>Orientation Course for NSS Programme Officers</i>	Training and Orientation Centre HCM, RIPA Jaipur	Centre for Management Studies HCM, RIPA Jaipur	21.07.03-30.07.03
<i>Refresher</i>	University of Rajasthan, Jaipur	U.G.C	19.07.04-07.08.04
<i>Other(Workshop/ Summer School/ Camp etc.)</i>			
1.Workshop on Computer Application in Higher Education	MDS University, Ajmer	–	17-22 Dec., 1990
2. Need Based Workshop on Botany, Zoology and Microbiology	MDS University, Ajmer	–	15-17Jan., 1998
3.Workshop on Item Framing and Question Papers for University and Public Examination	Dayanand College, Ajmer	UGC New Delhi	16-19 March, 1998

<b>4.National Youth Camp</b>	<b>DAV College, Dehradun</b>	<b>Ford Foundation Sponsored Project</b>	<b>19-22 Feb., 2001</b>
<b>5.National CDI Camp on “Challenges of Human Rights in India”</b>	<b>Savitri Girls College, Ajmer</b>	<b>–</b>	<b>27-28 Sept., 2001</b>
<b>6.State level Administrative Reforms Workshop</b>	<b>Suchana Kendra, Ajmer</b>	<b>Ministry of Tourism and Culture</b>	<b>10-11 Feb., 2001</b>
<b>7.Workshop on “Environment Science Technology”</b>	<b>MDS University, Ajmer</b>	<b>Ministry of HRD</b>	<b>23-24 Aug., 2005</b>
<b>8.Personality Development Camp</b>	<b>Govt. College, Ajmer</b>	<b>Commissionerate College Education, Jaipur</b>	<b>21-22 Jan., 2006</b>
<b>9.NSS workshop of Programme Officers</b>	<b>Govt. College, Ajmer</b>	<b>Commissionerate College Education, Jaipur</b>	<b>17-18 Feb., 2007</b>
<b>10.International Workshop on “Arthospira Mass Production in Rural Areas of Tropical Countries”</b>	<b>Govt. College, Ajmer</b>	<b>UNESCO and TWAS</b>	<b>22-26 Oct., 2007</b>
<b>11.National Workshop on “Opting of Sindhi subject in Civil Services”</b>	<b>Govt. College, Ajmer</b>	<b>Ministry of HRD</b>	<b>9<sup>th</sup> Aug., 2011</b>
<b>12.Workshop on Intellectual Property Rights</b>	<b>SPC Govt. College, Ajmer</b>	<b>DST, Government of Rajasthan</b>	<b>17<sup>th</sup> March, 2018</b>

<b>Online F.D.P (Faculty Development Programme)</b>			
<b>Gyan Ganga</b>	<b>SPC Govt. College, Ajmer</b>	<b>Commissionerate of College Education Rajasthan</b>	<b>1<sup>st</sup> – 6<sup>th</sup> Feb., 2021</b>

### 10 Seminar/ Conference attended

<i>Name of Seminar/ Conference</i>	<i>Internat./ National/ Regional</i>	<i>Attended/ Paper Presented</i>	<i>Title of Paper</i>	<i>Date</i>
1. National Conference on Environment and Eco Development of Pushkar Valley of Rajasthan. MDS University, Ajmer	National	Paper Presented	Gene Ecological Studies in Induced Mutants of <u>Trigonella corniculata</u> L.	24-26 Nov., 1997
2. 22 <sup>nd</sup> All India Botanical Conference of IBS. Mumbai	National	Paper Presented	Mutants of <u>Trigonella corniculata</u> L. induced by gamma rays and two alkylating agents	23-25 Oct., 1999
3. 41 <sup>st</sup> Annual Conference of AMI” Microbiotech 2000”. Birla Scientific and Research Institute, Jaipur	National	Paper Presented	Characterization of <u>Rhizobium</u> isolated from gamma irradiated plants of <u>Vigna mungo</u> L.	25-27 Nov., 2000
4. National symposium on “A decade of Algal Research in India. Biotechnological Approaches”. University of Rajasthan, Jaipur	National	Paper Presented	Studies on effect of algalization on seed germination of <u>Vigna mungo</u> L.	March 2001
5. 7 <sup>th</sup> International Phycological Congress. Thessaloniki, Greece	International	Only Abstract Published	Algal Wealth of Rajasthan[India] An Overview. In Phycologia Journal of International Phycological Society [Abstr.]	Aug., 2001
6. 24 <sup>th</sup> All India Botanical Conference of IBS. Osmania University, Hyderabad	National	Paper Presented	Antibiotic sensitivity of <u>Rhizobium</u> isolated from gamma irradiated mutant plants of <u>Vigna mungo</u> L.	19-21 Nov., 2001
7. National Symposium on Advances in Microbial and Industrial Biotechnology. Prospects and Problems	National	Attended	—	15-16 March 2002

University of Rajasthan, Jaipur				
8. National Seminar on “Women Empowerment : Status and Direction”. MDS University, Ajmer	National	Attended	–	30-31 March 2002
9. An International meeting at the Sammulumg Van Algenkulturen at Gottingen University [SAG], Germany	International	Only Abstract Published	Microalgae culture collection in India : Status and Prospect in the Current Millennium	2-6 <sup>th</sup> Sept., 2002
10. National Symposium of Biotechnology of Plant Tissue and Culture Association of India. HCM, RIPA, Jaipur	National	Attended	–	17-19 Feb 2003
11. 26 <sup>th</sup> All India Botanical Conference of IBS. Jamia Hamdard University, New Delhi	National	Paper Presented	In vitro nodulation studies in gamma irradiated mutant plants of <u>Trigonella</u> <u>corniculata</u> L.	29-31 Dec., 2003
12. 32 <sup>nd</sup> RGA National Conference. Govt. College, Ajmer	National	Attended	–	25-27 Oct., 2004
13. State Level Seminar on : National Security:New Diamensions, Challenges and Solutions. MDS University, Ajmer	State	Attended	–	March 2005
14. National Conference on Plant Physiology and Bio- chemistry. University of Rajasthan, Jaipur	National	Paper Presented	Retarted effect of GA3 on lethality of DMS and DES in seedlings of <u>Vigna mungo</u> L.	24-26 Feb., 2006
15. National Conference on Emerging Trends in Microbiology and Biotechnology.	National	Paper Presented	Mutations induced in <u>Trigonella corniculata</u> L. and variability in antibiotic sensitivity of the isolated <u>Rhizobium</u>	29-30 Jan., 2007

<b>DTM College of Biosciences, Bikaner</b>				
<b>16. National Conference on Environment Impact Assessment. Govt. College, Ajmer</b>	<b>National</b>	<b>Paper Presented</b>	<b>Developing scientific knowledge using environment as a lab.</b>	<b>26-27 Feb., 2007</b>
<b>17. National Seminar on Women Self Help Group Govt. PG College, Kishangarh</b>	<b>National</b>	<b>Paper Presented</b>	<b>Role of Self Help Group in Women Empowerment</b>	<b>2-3 Oct., 2009</b>
<b>18. National Conference on Management and Accountability in Higher Education. Govt., College, Ajmer</b>	<b>National</b>	<b>Attended</b>	–	<b>8-9 Jan., 2011</b>
<b>19. National Seminar on Value based education in National context. Govt. PG College, Kishangarh</b>	<b>National</b>	<b>Attended</b>	–	<b>20-21 Oct., 2011</b>
<b>20. National Conference on Current Status and Opportunities in Medicinal Plants of Thar Desert. Mahila PG College, Jodhpur</b>	<b>National</b>	<b>Paper Presented</b>	<b>Folk medicinal plants of Nagaur district with commercial potential</b>	<b>17-18 Dec., 2011</b>
<b>21. National Seminar on Promoting Innovation and Entrepreneurship. Savitri Girls College, Ajmer</b>	<b>National</b>	<b>Paper Presented</b>	<b>Employment Development in India</b>	<b>25<sup>th</sup> March 2012</b>
<b>22. National Conference on Environmental Conservation and Management for Sustainable Era. SS Jain Subodh PG College,</b>	<b>National</b>	<b>Paper Presented</b>	<b>Role of Green Economy in India</b>	<b>20-22 Dec., 2012</b>

<b>Jaipur</b>				
<b>23. International Conference on Challenges for Industrial Survival and Growth in Indian and Global Perspective.</b> <b>Pacific University, Udaipur</b>	<b>International</b>	<b>Paper Presented</b>	<b>Foreign Direct Investment in India</b>	<b>22-23 Feb., 2013</b>
<b>24. National Seminar on Research Methodology in Natural Sciences.</b> <b>Pacific University, Udaipur</b>	<b>National</b>	<b>Attended</b>	–	<b>10-11 Aug., 2013</b>
<b>25. National Seminar on “Rural Development –Opportunities and Challenges”.</b> <b>SIBM, Udaipur</b>	<b>National</b>	<b>Paper Presented</b>	<b>Management and Agro Food Products in India</b>	<b>6-7 Sept., 2013</b>
<b>26. National Conference on Environmental Issues, Toxicology and Exposure Science.</b> <b>Agarwal PG College, Jaipur</b>	<b>National</b>	<b>Attended</b>	–	<b>20-21 Sept., 2013</b>
<b>27. National Conference on Ecological Perspective of Rain Water harvesting and Ground water recharge</b> <b>Govt. College, Ajmer</b>	<b>National</b>	<b>Attended</b>	–	<b>3-4 Jan., 2014</b>
<b>28. Seminar on Scientific and Technical Terminology in Forestry Science</b> <b>SPC Govt. College, Ajmer</b>	<b>Regional</b>	<b>Attended</b>	–	<b>9-10 Sept., 2015</b>
<b>29. 43<sup>rd</sup> RGA National Conference on Urban Growth :Environmental Challenges and Responsibilities with special reference to Rajasthan</b>	<b>National</b>	<b>Paper Presented</b>	<b>Adaptive Strategies for the Management of Water Resources</b>	<b>26-27 Oct., 2015</b>

SPC Govt. College, Ajmer				
<b>30. National Conference on “ Entrepreneurship, Global Economy and Sustainable Development for Developing Nations”.</b> Dayanand College, Ajmer	<b>National</b>	<b>Paper Presented</b>	<b>Role of Women Entrepreneurship in India</b>	<b>15-16 Jan., 2016</b>
<b>31. International Conference on Exploring Context of Tourism, Culture and Heritage in South Asia</b>	<b>International</b>	<b>Attended</b>	-	<b>27-28 Sept., 2018</b>
<b>32. National Conference on Environment :Issues , Challenges and Strategies</b>	<b>National</b>	<b>Attended</b>	-	<b>1-2 Oct., 2018</b>
<b>33. International conference on Gandhi ;The Eternal Truth. Relevance for Future Generations</b>	<b>International</b>	<b>Paper Presented</b>	<b>Gandhian Lifestyle Important in Environmental Conservation in Future</b>	<b>18-19 Sept., 2019</b>

**11. Organizing Sec./Convener of conference/seminar/webinar :**

Conference/Seminar Title	Year

**12. Resource Person:**

In training Programme	
In conferences/Seminars (Chair/Co-Chair/of Session)	

**13. Research Publications**

<i>Title of Paper</i>	<i>Name of Journal with Impact factor &amp;ISSN No.</i>	<i>Volume and No. with Year</i>	<i>Citation Index</i>
<b>1. Effect of diethyl sulphate and dimethyl sulphate on seed</b>	<b>Geobios New Reports</b> 0253-3350	<b>Vol.10</b> <b>Pg 28-31</b>	



germination and seedling growth of <u>Trigonella corniculata</u> L.		1991	
2. Gene ecological studies in induced mutants of <u>Vigna mungo</u> L.	Geobios New Reports 0253-3350	Vol.12 Pg 41-46 1993	
3. Mutants of <u>Vigna mungo</u> L. induced by gamma rays and two alkylating agents.	Journal of Cytology and Genetics 0253-7605	Vol.29(2) Pg 137-141 1994	
4. Diosgenin production in induced mutants of <u>Trigonella corniculata</u> L.	Fitoterapia, Italy 0367-326X	Vol.LXV 1994	
5. Biochemical analysis of seeds from induced mutants of <u>Trigonella corniculata</u> L.	Journal of Phytological Research 0970-5767	Vol.7(1) Pg 9-11 1994	
6. Typical behaviour of two induced chlorophyll mutants of <u>Trigonella corniculata</u> L.	Mutation Breeding Newsletter, Germany 1011-260X	June 1996	
7. Antibiotic sensitivity of <u>Rhizobium</u> isolated from gamma irradiated mutant plants of <u>Vigna mungo</u> L.	Journal of Phytological Research 0970-5767	Vol 17[1] Pg 109-110 2004	

#### 14. Research Projects

<i>Title of the Project</i>	<i>Year</i>	<i>Name of funding agency</i>	<i>Fund available/ utilized</i>	<i>Present status</i>
1. Passage effect of <u>Rhizobium meliloti</u> isolated from mutagenized plants of <u>Trigonella corniculata</u> L.	2001	UGC	35,000/-	Completed
2. Effect of mutagenic treated <u>Rhizobium</u> on agronomic value of <u>Trigonella corniculata</u> L.	2005	UGC	1,00,000/-	Completed

#### 15. Research Supervision

- *Basic Field of specialization: Microbiology, Genetics and Plant Breeding*

❖ Ph.D. NONE

<i>Name of Student</i>	<i>Title of thesis</i>	<i>Present status</i>	<i>Date and Year of Award, if so</i>
NONE	_____NA_____	_____	_____

❖ M.Phil.

<i>Name of Student</i>	<i>Title of Dissertation</i>	<i>Present status</i>	<i>Date and Year of Award</i>
1. Vishal Kumar Tak	Toxic assay of two chemical mutagens using <u>Vigna mungo</u> L. as an experimental material	Completed	2000
2. Deepa Manghani	Study of <u>Rhizobium</u> isolated from mutagenic induced plants of <u>Trigonella corniculata</u> L.	Completed	2001
3. Leena Jain	Biochemical estimations from mutagenic treated seedlings of <u>Vigna mungo</u> L.	Completed	2003
4. Bharti Nebhwani	Antibiotic sensitivity of <u>Rhizobium</u> isolated from DES treated plants of <u>Trigonella foenum graecum</u> L. under two soil conditions,	Completed	2004
5. Neetu Manglani	Effect of mutagenic treated <u>Rhizobium</u> on the growth and nodulation of <u>Trigonella foenum graecum</u> L.	Completed	2005
6. Maninder Singh Turna	Study on effect of chemical mutagen on growth of <u>Vigna unguiculata</u> in the normal and sterilized soil conditions	Completed	2009
7. Pradeep Kumar Walia	Growth and nodulation in <u>Trigonella foenum graecum</u> L. under three different soil conditions	Completed	2010

16. Monograph/ Book / Chapter (in Edited Book) Writing

● *Books(Hindi Edition)*

<i>Title of Book</i>	<i>ISBN/ ISSN No.</i>	<i>Publisher with Place</i>	<i>Year of Publication</i>

1. Diversity of Microbes (B. Sc Part-I)	81-89561-10-3	Sakshi Publishing House Jaipur	2005
2. Cytology (B. Sc Part-I)	81-89561-02-2	Sakshi Publishing House Jaipur	2006
3. Diversity of Cryptogams (B. Sc Part-I)	81-89561-11-1	Sakshi Publishing House Jaipur	2005
4. Structure, Development and Reproduction in Flowering Plants (B. Sc Part-II)	81-89651-05-7	Sakshi Publishing House Jaipur	2005
5. Systematics of Angiosperms (B. Sc Part-II)	81-89561-03-0	Sakshi Publishing House Jaipur	2005
6. Diversity of Seed Plants (B. Sc Part-II)	81-89561-04-9	Sakshi Publishing House Jaipur	2005
7. Plant Physiology and Biochemistry (B. Sc Part- III)		Sakshi Publishing House Jaipur	2006
8. Genetics and Biotechnology of Plants (B. Sc Part- III)		Sakshi Publishing House Jaipur	2006

● *Chapter(s) in Book (Edited / multi-author)*

<i>Title of Chapter</i>	<i>Authors / Editors</i>	<i>Name of the Book with ISBN/ ISSN No.</i>	<i>Publisher with Place</i>	<i>Year of Publication</i>
Phycotoxins - A status Report	P.C.Trivedi	Algal Bio-Technology	Pointer Publishers , Jaipur	2001

17. Sports Activities : NIL

18. Extra Curricular Activities:

- NSS Programme officer for 4 sessions
- Member of Board of Studies for Botany in MDS University, Ajmer for 2 Years.

#### **19. Any Other Relevant Information/Contributions**

E-Lecture – on “Puccinia graminis causing black or stem rust of wheat ” delivered on 5<sup>th</sup> December 2019.