


## FACULTY PROFILE

1.	Name (In Block Letters):	DR. ARCHANA SINGH	
2.	Father Name:	SRI O P SINGH RATHORE	
3.	Subject (Department):	BOTANY	
4.	Date of Birth:	10.06.1968	
5.	Date Of Joining RPSC:	07.10.1996	
6.	Current Designation & Basic Pay:	PROFESSOR	
7.	Work Experience:	27 YEARS	
8.	Address for correspondence (With Pin code):	320 A Krishana nagar, Bharatpur (Rajasthan) 321001	
9.	Mobile No & Whatsapp No:	9460660440	
10.	Email:	drarchanasinghmsj@gmail.com	
11.	Google Scholar:		
12.	Research Gate:		
13.	ORCID iD:		
14.	Google Scholar (Citation & h-index)		
15.	Research Interest	Plant Pathology and Biochemistry	

### 01. ACADEMIC QUALIFICATIONS:

S. N.	Examination	Year	University
1.	Ph. D.	1999	Department of Botany, University of Rajasthan, Jaipur
2.	M.Phil.	NIL	
3.	MA/M.Sc./M.Tech	1988	Department of Botany, University of Rajasthan, Jaipur

### 02. ACADEMIC DISTINCTION/ HONOUR/AWARDS/ MEDALS/SCHOLARSHIP:

S. N.	Name of Award/Scholarship	Institution/ University	Year & Date	Rank & Others
1.	FBS (FELLOW OF BOTANICAL SOCIETY)	INDIAN BOTANICAL SOCIETY	2008	
2.	FAPS (FELLOW OF ACADEMY OF PLANT SCIENCES)	ACADEMY OF PLANT SCIENCES	2023	
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### **03. RESEARCH PAPERS PUBLISHED:**

<b>S. N.</b>	<b>Author Name, Year, Paper Title, Journal Name, Volume No. Issue No. Page No. (Use APA Format)</b>	<b>Journal Category: SCI/ SSCI/ SCIE / ESCI/ SCOPUS/ UGC/ And Thomson Reuters Impact Factor</b>
1.	Lata upadhyaya, karuna gaur, Archana singh and dinesh kumar upadhyaya. The effects of different low voltage electric fields on seed germination and seedlings growth parameters of mustard (brassica juncea l.) International journal of research and analytical reviews, vol 10(1),834-852, 2023	Impact factor 7.17
2.	Lata upadhyaya, karuna gaur, Archana singh and dinesh kumar upadhyaya. The effects of different low voltage electric fields on seed germination and seedling growth parameters of lentil (lens esculenta) International journal of natural and applied sciences, vol 9(12) dec 2022	Impact factor 7.032
3.	Ekta singhal, Archana singh. Phytochemical effects of aloe vera and curcuma longa on diabetes mellitus and cancer. International journal of multidisciplinary research in science , engineering and technology. Vol 5 (4), 2022	Impact factor 5.928
4.	Ekta singhal and Archana singh. Electrophoretic study of isoenzymic forms of peroxidase enzyme in seeds and seedlings of sorghum carrying infection of macrophomina phaseolina. Research journal of agricultural science an international journal. 2022, vol 13(05), p. no. 1576-1579.	NAAS Score 4.50
5.	Ekta singhal, Archana singh and ajeet kumar Sharma. Eco friendly management of charcoal rot disease of sorghum (sorghum bicolor) by plant extracts and antagonistic fungi. Advances in plant sciences 2021 34(1 and 2) p.no. 23-33.	NAAS score 2.90
6.	Ekta singhal and Archana singh. Cell membrane injury in sorghum (sorghum bicolor) associated with infection by macrophomina phaseolina, charcoal rot. NJESR, April 2021, vol 2(04), p. no. 398-403	Impact factor 0.24
7.	Ekta singhal and Archana singh. Quantitative changes in primary metabolites in sorghum (sorghum bicolor) due to charcoal rot disease , causal agent macrophomona phaseolina Research journal of agricultural science an international journal. 2021, vol 12(06), p. no.2012-2015	NAAS Score 4.50
8.	Archana singh. Fungi associated with seeds of sorghum (sorghum bicolor l.) in rajasthan and their phytopathological effects. Remarking an analisation 2019, volume 4 issue 2. E 384-388.	SJIF 7.645
9.	. md. Wasim siddique, a.b. sharngi, j.p. singh, pran k. thakur, j.f ayala, Archana singh and r.s dhua. Antimicrobial Properties of Teas and their Extracts in Vitro., Critical reviews in food science and nutrition.56:9, 1428-1439, 2016	Impact factor 7..862
10.	Mredula trivedi and Archana singh. Ecofriendly Management	Impact factor 7.012

	of Stripe disease of Barley ( <i>Hordeum vulgare</i> L.) by plant extracts and antagonistic fungi. International Journal of Developmental Research6(12) , pp. 10765-10774, 2016,	
11.	Mredula trivedi and Archana singh. Cell Membrane Injury in Barley( <i>Hordeum vulgare</i> L.)associated with infection by 12. <i>Drechslera graminea</i> , Stripe disease. International Journal of Scientific and Technology Research3(2) 320-323,	Impact factor 3.023
12.	Mredula trivedi and Archana singh. Electrophoretic study of Isoenzymic forms of Peroxidase enzyme in seeds and seedlings of Barley carrying infection of <i>Drechslera graminea</i> Elixer International Journal of Biosciences77(2014) 29065-29068	Impact factor 6.865
13.	Mredula trivedi and Archana singh. Altered specific activities of Peroxidase and IAA Oxidase due to infection of <i>Drechslera graminea</i> in Barley ( <i>Hordeum vulgare</i> L.) International Journal of Development Research4(10),pp. 2042-2047, 2014	Impact factor 7.012
14.	Mredula trivedi and Archana singh. Quantitative changes in Primary Metabolites in Barley ( <i>Hordeum vulgare</i> L.) due to Stripe disease, causal agent <i>Drechslera graminea</i> International Journal of Scientific and Research publications , 4(7)1-5, 2014	Impact factor 6.64
15.	Mredula trivedi and Archana singh. Fungi associated with seeds of Barley ( <i>Hordeum vulgare</i> L.) in Rajasthan and their Phytopathological effects Elixer International Journal of Applied Botany, 66(2014)20506-20509, 2014	Impact factor 6.865
16.	Chitra jain, Archana singh, padma kumar and keerti gautam. Anti- Diabetic potential of Flavanoids and other crude extracts of stem bark of <i>Mangifera indica</i> Linn: A Comparative study. Journal of Scientific and Innovative Research2014;3(1):21-27, 2014,	Impact factor 0.541
17.	Chitra jain, padma kumar and Archana singh. A comparative study of Hypoglycemic effect of different crude extracts isolated from <i>Aloe vera</i> An International Journal of Life Sciences, 3(1)2014 pp.1-6, 2014	Cosmos Impact factor 5.63
18.	Jain chitra , padma kumar and Archana singh.In Vitro Comparisons of Anti-Diabetic Activity of Flavanoids and crude extracts of <i>Azadirachta indica</i> A Juss. Jan- Mar 2013 5(1) 1-10,	Impact factor 1.95

	2013 International Journal of Drug Develop62(2013) 17877-17879,2013ment and Research	
19.	Chitra jain, archana singh and padma kumar. Hypoglycemic Activity of Flavanoids and Alkaloids extracted from <i>Aloe vera</i> in two districts of Rajasthan: A Comparative Study. Journal of Scientific and Innovative Research2014;3(1):21-27, 2014,	Impact factor 0.541
20.	Chitra jain, padma kumar and Archana singh. A comparative study of Hypoglycemic effect of different crude extracts isolated from <i>Aloe vera</i> An International Journal of Life Sciences, 3(1)2014 pp.1-6, 2014	Cosmos Impact factor 5.63
21.	Jain chitra , padma kumar and Archana singh.In Vitro Comparisons of Anti-Diabetic Activity of Flavanoids and crude extracts of <i>Azadiracta indica</i> A Juss. Jan- Mar 2013 5(1) 1-10, 2013 International Journal of Drug Develop62(2013) 17877-17879,2013ment and Research	Impact factor 1.95
22.	Archana singh. Evaluation of Bioagents and Phytoextracts against <i>Curvularia penneheti</i> in Pearl millet J Mycol Pl Pathol38(2) 396-397, 2008	Impact factor 5.79
23.	Chitra jain, archana singh and padma kumar. Hypoglycemic Activity of Flavanoids and Alkaloids extracted from <i>Aloe vera</i> in two districts of Rajasthan: A Comparative Study. Elixir International Journal of Applied Botany, 62(2013) 17877-17879,2013	Impact factor ICV 80.82,Publication Impact factor 6.865
24.	Archana singh, r.l. meena and c. chattopadhyaya.Location and Transmission of <i>Curvularia penneheti</i> in Pearl millet J Mycol Pl Pathol38(2): 185-189, 2008	Impact factor 5.79
25.	Archana singh. Biochemical , histochemical and isoenzyme peroxidase studies on pearlmillet ( <i>pennehetum glaucum</i> l. r. br. ) seedlings infected by <i>curvularia penneheti</i> j. phytol. Res. 20(1) 47-54, 2007	
26.	Archana singh. Fungi associated with seeds of pearl millet ( <i>pennehetum glaucum</i> l. br.) grown in rajasthan and their phytopathological effects. j. phytol res. 19(1) 29-33, 2006	
27.	Archana singh. Cell membrane injury in flag leaf of wheat by brown rust ( <i>puccinia recondite</i> rob. Ex desm f. sp. Triticici) at	

	different nitrogen levels j.phytol res. 19(1) 111-113, 2006	
28.	Archana singh and Tribhuwan singh. Altered activity profile of IAA oxidase in first, third and flag leaf of wheat during interaction with puccinia recondite at different nitrogen levels. J. Phytol res. 17(1)61-65, 2004	

#### **04. BOOKS/ EDITED BOOK PUBLISHED:**

S. N.	Title of Books	Name of Publisher/ Journal	ISSN/ISBN No. And Year	Main /Co-author
1.	Organic Farming, Editor Dr. Archana Singh	Edited Book by Pointer Publications, Jaipur	ISBN978-81-7132-647-1	Main author
2.	Plant Diseases and their Biological Control, by Dr. Archana Singh	Edited Book by Aavishkar Publishers, Jaipur	ISBN 978-81-7910-352-4	Main author
3.	Soil Nutrient Management for Sustainable Agriculture, by Dr. Archana Singh and Dr. Kapila Shekhawat	Edited Book by Aavishkar Publisher, Jaipur	ISBN 978-81-7910-352-4	Main author
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#### **05. RESEARCH PAPERS PRESENTED (In Conferences/ Seminars/ Workshops Etc.)**

S. N.	Title of Research Paper	Title of Conference / Seminar/ Workshop	Organised by And with a Date
1.	Exploitation of Traditional Knowledge in the Management of Crop Diseases under Organic Agriculture, 2014	National conference on environment: ancient and modern perspective	M.S.J.Govt.PG. College, Bharatpur, sponsored by UGC
2.	Traditional Plants in Puranas, 2015	National conference on Pauranic Sahitya ki Vartaman Paripeshya Mei Prasangita Evam Upadeyta	M.S.J.Govt.PG. College, Bharatpur, sponsored by Rajasthan Sanskrit Academy, Jaipur
3.	Biopollutants and their Management : An Ecofriendly Management by Organic Farming , 2015	National Seminar on New Frontiers in Organic Farming for Sustainable Development of Indian Agriculture	Department of Botany, R.B.S. College, Agra, sponsored by Department of Higher Education Government of Uttar Pradesh, Lucknow
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#### **06. RESEARCH GUIDING EXPERIENCE:**

S. N.	M.SC/M. Phil / Ph.D.	No. of Enrolled	No. of Thesis Submitted	No. of Degree Awarded
1.	Ph.D.	02	02	02
2.	M.Phil			

**07. RESEARCH PROJECTS:**

S. N.	Title of Research Project	Funding Agency	Period From	To	Grant/Amount Mobilized (Rs- Lakh)
1.	Seed borne fungi of pearl millet (pennisetum glaucum) l. br. In rajasthan with their phytopathological and biochemical effects.	UGC	2006	2008	1 Lac approx
2.	Physiological and Metabolic studies on Nutritive value of Germinating Wheat	UGC	2009	2011	1.52 lac approx.
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**08. TRAINING PROGRAMME ATTENDED:(Orientation/ Induction/ Refresher/Workshop/ Short-Term Courses Etc):**

S. N.	Topic Name	Period From	To	No. of Days	Disbursing Authority
1.	ORIENTATION COURSE	01. 05.2000	27.05. 2000	27	H.P.UNIVERSITY, SHIMLA
2.	REFRESHER COURSE 1	19.07.2004	07. 08.2004	21	DEPTT. OF BOTANY, UNIVERSITY OF RAJASTHAN, JAIPUR
3.	REFRESHER COURSE 2	15.01.2005	08.02.2005	21	B.R.AMBEDKAR UNIV.AGRA
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**09. ACADEMIC RESPONSIBILITY OF UNIVERSITY/ ORGANIZATIONS:(BOS/ BOM/ Dean/ Member, Etc.)**

S. N.	BOS/BOM/ Other Committee	Member /Convener/ Dean	Name of the University / Organization	From	To
1.	BOS	member	MSB UNIV	2022	2023

2.	BOS	Member	MSB univ	2021	2022
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**10. MEMBER/ LIFE MEMBER OF SOCIETY / ORGANIZATIONS:**

S. N.	Name of the Society/ Institution	Member /Life Member	Place	From	To
1.	INDIAN BOTANICAL SOCIETY	LIFE MEMBER	INDIA	2008	TILL NOW
2.					
3.					

**11. EXPERTISE/ COMPUTER SKILLS**



**12. ADDITIONAL if Any: (Editorial Board Member/ Reviewer/Etc.)**

S. N.	Name of the Work	Member	Place	From	To
1.					
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**Place: Bharatpur**

**Date: 23.08.2023**

**(Name): DR. ARCHANA SINGH**

**Designation-Subject: PROFESSOR IN BOTANY**

**M. S. J. Govt. College, Bharatpur**