

CURRICULUM VITAE

Dr. BRAJNANDAN SINGH CHANDRAWAT
Assistant Professor, Nematology, SKNCOA, SKNAU, Jobner

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1. PERSONAL DETAILS:

Father name	:	Sh. Dashrath Singh Chandrawat
Nationality	:	Indian

Postal Address: Department of Nematology, SKN College of Agriculture, SKNAU, Jobner Distt. – Jaipur, (Raj.) Pin – 303329	Permanent Address: Vill.- Suraj, Post – Chainpura, Teh.–Asind, Distt. – Bhilwara, (Raj.) Pin – 311301
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2. ACADEMIC QUALIFICATIONS:

Qualification	Institute	Board/ University	Year	Percent
M.Sc. (Ag.) Nematology	RCA, Udaipur	MPUAT, Udaipur	2013	76.40
Ph. D. Nematology	RCA, Udaipur	MPUAT, Udaipur	2017	78.60
NET	---	ASRB, New Delhi	2016	66.00

Title of M.Sc. thesis: - Systematic studies on *Hoplolaimus* Daday, 1905 associated with some perennial ornamentals in and around Udaipur.

Title of Ph.D. thesis: - Assessment of Defence Enzymes in Determining Resistance in Tomato and Chilli against Root-Knot Nematode, *Meloidogyne incognita*.

3. HONOURS AND AWARD: 07

S. No.	Name of Award/ Honour	Conferred by (Name of Body/Organization, etc.)	Year of Award
i.	Merit fellowship during M.Sc. (Ag.) Nematology	Rajasthan College of Agriculture, MPUAT, Udaipur	2011
ii.	Merit fellowship during Ph.D. (CW) Nematology	Rajasthan College of Agriculture, MPUAT, Udaipur	2014
iii.	Poster Presentation Award	Entomological Research Association, Dept. Of Entomology, RCA, MPUAT, Udaipur	2014
iv.	Oral Presentation Award	Society of Plant Protection Sciences, ICAR-NCIPM, Pusa Campus, New Delhi	2015
v.	Oral Presentation Award	Society of Plant Protection Sciences, ICAR-NCIPM, Pusa Campus, New	2015

		Delhi	
vi.	Poster Presentation Award	Society of Plant Protection Sciences, ICAR-NCIPM, Pusa Campus, New Delhi	2015
vii.	Scientist Associate Award	Society of Agriculture innovation and Development (SAID), Ranchi (Jharkhand), India	2017
viii.	Best Rapid Oral Presentation Award	Nematological Society of India	2025

4. MEMBERSHIP IN SOCIETIES: 05

5. WORK EXPERIENCE:

Post held	Organization	Period		Nature of work	Experience in Years
		From	To		
Asstt. Prof.	SKN College of Agriculture, SKNAU, Jobner, Jaipur	20.02.2018	Cont.	Teaching UG, PG students, Research and extension	More than 6 year
SRF	Department of Agronomy, Directorate of Research, MPUAT, Udaipur	01-12-16	31-03-17	Enhancing Productivity of crops under saline-sodic soil conditions	4 Month
SRF	Dept. of Nematology, Directorate of Research, MPUAT, Udaipur	01-04-15	21-11-16	Biological Control of <i>Spodoptera litura</i> with Entomo-pathogenic nematodes	1 Years 6 Month

6. EXPERIENCE IN TEACHING:

UG TEACHING:

1. PPATH-121: Fundamentals of Plant Pathology
2. NEMAT -4221: Introductory Nematology
3. NEMAT -4411: Economic Nematology
4. NEMA – 211: Fundamentals of Nematology

PG TEACHING

1. NEMAT -511 Principles of Nematology
2. NEMAT - 512 Nematological Techniques
3. NEMAT - 513 Structural and Functional Organization of Nematodes
4. NEMAT -521 Classification of Nematodes 3(2+1)
5. NEMAT -522 Nematode Diseases of Crops 3(2+1)
6. NEMAT -523 Nematode Ecology 3(2+1)
7. NEMAT- 531 Biology and Physiology of Nematodes 3 (2+1)
8. NEMAT- 532 Nematode Interaction with Other Organism 3 (2+1)

9. NEMAT- 533 Nematode Management 3 (2+1)
10. PPATH-512 Detection and Diagnosis of Plant Diseases 3(0+3)
11. NEMA – 513: Beneficial Nematodes 2 (1+1)

7. Training Attended: 08

8. Student Thesis (M.Sc.): 06

9. EXPERIENCE IN RESEARCH:

PUBLICATIONS:

A. RESEARCH PAPER: 66

B. BOOK CHAPTER: 08

C. FOLDER: 03

D. ARTICLE: 29

10. EXPERIENCE IN EXTENSION:

A. LECTURES IN TRAININGS: 05

B. RADIO TALK: 16

C. Training Organized: 01

11. Present Assignment:

I. Incharge, Department of Nematology

II. Hostel Warden

III. PO, NSS

IV. Nodal Officer, READY

Published Research Paper		
S. No.	Paper Detail	NAAS Rating
1.	Chandrawat B.S. , Siddiqui A.U., and Sharma S.K. 2013. Distribution, Occurrence and Population Density of <i>Hoplolaimus</i> spp. in and around Udaipur. <i>Indian Journal of Nematology</i> . 43 (2) . 142-147.	5.03
2.	Chandrawat B.S. , Siddiqui A.U., and Sharma S.K. 2014. Three Known Species of <i>Hoplolaimus</i> Nematode found Associated with Perennial Ornamentals in and Around Udaipur. <i>Indian Journal of Nematology</i> . 44 (1) . 82-87.	5.03
3.	Chandrawat B.S. , Siddiqui A.U., Sharma S.K., Singh Kuldeep and Singh Hanuman 2014. <i>Hoplolaimus</i> spp. associated with perennial ornamentals in and around Udaipur. <i>Current Nematology</i> . 25 (1,2) . 47-49.	4.01
4.	Meena K.K., Baheti B.L., Rathore B.S. and Chandrawat B.S. 2015. Organic amendment—An important tool for the management of maize cyst nematode, <i>Heterodera zae</i> on maize (<i>Zea mays</i> L.). <i>Current Nematology</i> . 26 (1,2) . 23-27.	4.01
5.	Bhati S.S., Siddiqui A.U. and Chandrawat B.S. 2016. Investigation on infectivity of <i>Steinernema carpocapsae</i> recovered from different Hosts against <i>Spodoptera litura</i> infecting green gram. <i>Eco. Env. & Cons.</i> 22 (1) . 191-193	4.89
6.	Meena K.K., Baheti B.L., Rathore B.S. and Chandrawat B.S. 2016. Integration of chemical and botanicals for the management of maize cyst nematode, <i>Heterodera zae</i> on maize. <i>Ecology, environment and conservation.</i> 22 (April Suppl.) 151-154.	4.89
7.	Kanwar Harshraj, Trivedi Amit, Chandrawat B.S. and Sharma Shanti Kumar 2016. Progression of Powdery Mildew, Alternaria Blight and Bacterial Leaf Blight of Cluster Bean in Relation to Weather Parameters. <i>Journal of Pure and Applied Microbiology.</i> 10 (2). 1285-1292	4.00
8.	Chandrawat B.S. , Siddiqui A.U., Bhati S.S., Baheti B.L., and Rathore B.S. 2016. Distribution and Community analysis of <i>Hoplolaimus</i> spp. on Perennial Ornamentals. <i>Ecology, environment and conservation.</i> 22 (2) . 629-633	4.89
9.	Kumar Kailash, Sharma M.K., Chandrawat B.S. and Thagaria Garima 2016. Fecundity of Root-Knot Nematode, <i>Meloidogyne incognita</i> on Fennel (<i>Foeniculum vulgare</i> Mill.) in Different Types of Soil. <i>Ecology, environment and conservation.</i> 22 (2) .825-827	4.89
10.	Baheti B.L., Meena K.K., Chandrawat B.S. , Khandelwal S.K. and Singh Dilip 2016. Botanicals: An Effective Tool to Check the Initial Infection of Maize Cyst Nematode, <i>Heterodera zae</i> on Maize as Seed Treatment. <i>Advances in life sciences.</i> 5 (11) . 4502-4506	3.15
11.	Kumar Kailash, Sharma M.K., Chandrawat B.S. , Srivastava A.S. and Thagaria Garima	4.01

	2016. Studies on Life cycle of Root-Knot Nematode, <i>Meloidogyne incognita</i> on Fennel (<i>Foeniculum vulgare</i> Mill.). <i>Current Nematology</i> . 27 (1) . 39-43.	
12.	Thagaria Garima, Bharagawa S., Chandrawat B.S. , Kumar Kailash and Nama C.P. 2016. Evaluation of castor (<i>Ricinus communis</i>) varieties for resistance against root-knot nematode <i>Meloidogyne incognita</i> . <i>Current Nematology</i> . 27 (1) . 51-54.	4.01
13.	Sharma H.K., Siddiqui A.U., Chandrawat B.S. and Sharma S.K. 2016. Mass Multiplication of Different populations of EPN,S on different Artificial Media. <i>Current Nematology</i> . 27 (1) . 89-92.	4.01
14.	Pushpa, Siddiqui A.U., Chandrawat B.S. and Bhati S.S. 2016. Investigation on bioefficacy, LD ₅₀ and LT ₅₀ of <i>Steinernema carpocapsae</i> against <i>Spodoptera litura</i> . <i>Current Nematology</i> . 27 (1) . 97-102.	4.01
15.	Bhati S. S., Siddiqui A.U., Baheti B.L. and Chandrawat B.S. 2016. Infectivity of <i>Steinernema carpocapsae</i> recovered from different hosts against <i>Spodoptera litura</i> at different temperatures. <i>Ecology, environment and conservation</i> . 22(June suppl.) .103-106	4.89
16.	Pushpa, Siddiqui A.U., Chandrawat B.S. , Bhati S.S. and Sen Khushabu 2016. Comparative efficacy of <i>Steinernema carpocapsae</i> with insecticide and bio-pesticides against <i>Spodoptera litura</i> infecting brinjal. <i>Ecology, environment and conservation</i> . 22(September suppl.) .199-202	4.89
17.	Meena, K.K., Baheti, B.L., Rathore, B.S. and Chandrawat, B.S. 2016. Multiplication of <i>Heterodera zae</i> on maize at different inoculum levels in varied soil conditions. <i>Indian Journal of Nematology</i> . 47 (1) 56-58.	5.03
18.	Sharma, H.K., Siddiqui, A.U., Chandrawat, B.S. and Sharma, S.K. 2016. Insect host: An effective medium for mass multiplication of entomopathogenic nematodes <i>Steinernema carpocapsae</i> . <i>Current Nematology</i> . 27 (2) : .	4.01
19.	Kumar, Kailash, Sharma, M.K., Srivastava, A.S. and Chandrawat, B.S. 2017. Screening of fennel (<i>Foeniculum vulgare</i> Mill.) varieties for resistance against root-knot nematode, <i>Meloidogyne incognita</i> . <i>Current Nematology</i> . 28 (1) :25-28.	4.01
20.	Kumhar R.N., Baheti B.L. and Chandrawat B.S. 2018. Treatment of maize seed with cow- products: an eco-friendly management of maize cyst nematode (<i>Heterodera zae</i>). <i>International Journal of Agriculture Sciences</i> . 10 (9): 5969-5971. ISSN: 0975-9107.	4.20
21.	Kumhar R.N., Baheti B.L., Chandrawat B.S. and Madhu Bala 2018. Bio-Chemicals: An Effective Method of Seed Treatment for Management of Maize Cyst Nematode, <i>Heterodera zae</i> on Maize. <i>Trends in Biosciences</i> . 11(18) :2765-2768. ISSN 0974-8431	3.94
22.	Kumhar R.N., Baheti B.L. and Chandrawat B.S. 2018. Eco-friendly management of maize cyst nematode, <i>Heterodera zae</i> on maize by use of botanicals. <i>International Journal of Current Microbiology and Applied Sciences</i> . 7(6) : 199-204. ISSN: 2319-7706	5.38

23.	Kumhar R.N., Baheti B.L., Chandrawat B.S. and Gurjar Om Prakash 2018. Seed treatment with bio-agents: An environmental suitable approach for management of maize cyst nematode, <i>Heterodera zae</i> on maize. <i>Current Nematology</i> . 29 (1, 2). 1-5.	4.01
24.	Chandrawat B.S., Siddiqui A.U., Bhati S.S. and Saharan Vinod 2018. Induction of Defence Enzymes using Bio-Agents in Tomato Infected with Root-Knot Nematode, <i>Meloidogyne incognita</i> . <i>Indian Journal of Nematology</i> .48 (2). 139-145.	5.03
25.	Meena, Pinki; Chandrawat, B.S. and Ahir, R.R. 2020. Bio-agents for management of wilt complex in tomato by <i>Meloidogyne incognita</i> and <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Annals of Plant Protection Sciences</i> . 28 (2), 160-162.	4.82
26.	Chandrawat B.S., Siddiqui A.U., Bhati S.S. and Saharan Vinod 2020. Response of defence related enzymes in tomato treated with oil-cakes against root-knot nematode, <i>Meloidogyne incognita</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> .9 (11). 1100-1111.	5.38
27.	Chandrawat B.S., Siddiqui A.U., Bhati S.S. and Saharan Vinod 2020. Bio-agents: A source for initiation of defence enzymes in chilli infected with root-knot nematode, <i>Meloidogyne incognita</i> . <i>Journal of Entomology and Zoology Studies</i> , 8(6): 1684-1688.	5.53
28.	Meena, Pinki, Chandrawat, BS, Ahir, RR, Maurya, Shivam, Lakhran, Lalita, Prajapati, Satydev and Kumawat, Chetan Kumar 2021. Effect of <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> and <i>Meloidogyne incognita</i> interaction on wilt disease incidence in tomato. <i>International Journal of Chemical Studies</i> , 9(1): 2621-2624	5.31
29.	Meena, Pinki, Chandrawat, BS, Ahir, RR, Gugarwal, Bhumika, Meena, Sonali, Nitharwal, Nisha and Sharma, Varsha 2021. Management of tomato wilt complex caused by <i>Meloidogyne incognita</i> and <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> through organic amendments. <i>Journal of Entomology and Zoology Studies</i> , 9(1): 1691-1693	5.53
30.	Meena, Pinki, Chandrawat, BS, Ahir, RR, Meena A.K. and Singh Mahabeer 2021. Management of tomato root-knot wilt complex caused by <i>Meloidogyne incognita</i> and <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> through plant extracts. <i>International Journal of Chemical Studies</i> , 9(1): 3100-3103	5.31
31.	Kumari, Manju; Sharma, M.K.; Baheti, B.L.; Nama, C.P. and Chandrawat, B.S. (2021) Reaction of locally isolated bio-agents on hatching and mortality of root-knot nematode, <i>Meloidogyne incognita</i> . <i>Journal of Entomology and Zoology Studies</i> . 9(2): 1276-1281	**
32.	Gurjar O. P., Sharma, M. K. and Chandrawat, B.S. 2021. Screening of tomato varieties for source of resistance against root-knot nematode, <i>M. incognita</i> in poly-house. <i>Journal of Progressive Agriculture</i> , 12 (1): 69-73.	#
33.	Manisha, Bishnoi S.P., Chandrawat B.S., Gurjar H.R., Yadav Rinku and Meena Rahul (2021) Pathogenic effect of root knot nematode, <i>Meloidogyne javanica</i> on okra (<i>Abelmoschus esculentus</i> L. Moench) <i>Annals of plant protection sciences</i> , 29 (2): 159-	4.11

	161.	
34.	Bhati, S.S., Baheti, B.L. and Chandrawat, B.S. (2021) Influence of Eco-friendly management modules for suppression of <i>Meloidogyne incognita</i> infecting cucumber in polyhouse. <i>Indian Journal of Nematology</i> . 51(1), 27-33.	5.23
35.	Kanwar, Harshraj, Shekhawat, P.S. and Chandrawat, B.S. (2022) Effect of age of host on development of stripe rust of barley. <i>The Pharma Innovation Journal</i> ; SP-11(2): 636-638.	5.23
36.	Kanwar, Harshraj, Shekhawat, P.S. and Chandrawat, B.S. (2022) Effect of plant extracts against stripe rust of barley caused by <i>Puccinia striiformis</i> f. sp. <i>hordei</i> . <i>Eco. Env. & Cons.</i> 28 (February Suppl. Issue): S544-S547.	5.41
37.	Chandrawat, B.S., Meena, AK, Gurjar, Anushka, Meena, Monika, Dhayal, Raju, Choudhary, Kavita, Gurjar, Hemraj, Goyal, SK and Singh, Mahabeer (2022) Effect of inoculum level of root-knot nematode, <i>Meloidogyne incognita</i> on tomato. <i>The Pharma Innovation Journal</i> ; 11(3): 1325-1327	5.23
38.	Meena, Monika, Chandrawat, B.S., Ahir, R.R. and Meena, A.K. (2022) Effect of cucumber plant age on nematode multiplication and development of disease complex. <i>The Pharma Innovation Journal</i> ; 11(5): 974-976.	5.23
39.	Gurjar, Om Prakash, Sharma, M.K., Chandrawat, B.S. and Kumari, Manju (2022) Hot water treatment: A strategy for management of root-knot nematode, <i>Meloidogyne incognita</i> on tomato under poly-house condition. <i>Annals of plant protection sciences</i> 30 (1): 90-94.	4.11
40.	Bhati, S.S., Baheti, B.L., Singh, Ishwar and Chandrawat, B.S. (2022) Impact of bio-agents against <i>Meloidogyne incognita</i> infecting cucumber in poly-house. <i>Biological Forum – An International Journal</i> . 14(2) : 1481-1487.	5.11
41.	Dhayal Raju, Chandrawat B.S., Choudhary Kavita, Mittal G.K., Gurjar Hemraj, Bishnoi S.P. and Sharma Ratan Lal (2022) Response of botanicals and enzymes activities as a defense mechanism against root-knot nematode, <i>Meloidogyne javanica</i> in tomato. <i>Agricultural Mechanization in Asia, Africa and Latin America</i> . 53 (09) : 9753-9766.	6.14
42.	Kumawat Kiran, Goyal SK, Chandrawat BS, Mittal G.K., Ghasolia RP, Teli Manish, Kansotia Kavita and Sharma Pinki (2022) Interactive effect of <i>Meloidogyne javanica</i> and <i>Fusarium solani</i> in causing root rot of fennel. <i>Annals of plant protection sciences</i> . 30 (2): 86-90.	4.11
43.	Teli Manish, Chandrawat BS, Mittal G.K., Gurjar Hemraj, Bishnoi S.P. and Kumawat Kiran (2022) Effect of plant Age on development of root-knot nematode (<i>M. javanica</i>) on	4.11

	coriander. <i>Annals of plant protection sciences</i> . 30 (2): 97-100.	
44.	Bhati S.S., Baheti B.L., Chandrawat B.S. and Ahuja Amit (2022) Utilization of agri-based wastes against <i>Meloidogyne incognita</i> infecting cucumber in polyhouse. <i>Indian Journal of Nematology</i> 52 (2): 155-163.	5.23
45.	Bhati S.S., Baheti B.L., Singh Ishwar, Chandrawat B.S. (2022) Morphometrics of plant parasitic nematodes associated with <i>Trigonella corniculata</i> . <i>Indian Journal of Nematology</i> 52 (2): 187-198.	5.23
46.	Chandrawat B.S., Siddiqui A.U. and Saharan Vinod (2022). Determination of defence enzyme induction in chilli in response to root- knot nematode, <i>Meloidogyne incognita</i> upon oil cake application. <i>Indian Journal of Nematology</i> 52 (2): 225-233.	5.23
47.	Meena Monika, Chandrawat B.S., Ahir R.R., Dhayal Raju, Anushka, Choudhary Kavita and Meena A.K. (2023) Effect of <i>Fusarium oxysporum</i> and <i>Meloidogyne</i> spp. interaction on wilt disease incidence in cucumber. <i>Annals of plant protection sciences</i> . 31 (1): 39-43.	4.11
48.	Choudhary Kavita, Bishnoi S.P., Dhayal Raju, Chandrawat B.S., Mittal G.K., and Gurjar Hemraj (2023) Defense response in brinjal plants treated with oil-cakes against root-knot nematode, <i>Meloidogyne javanica</i> . <i>Agricultural Mechanization in Asia, Africa and Latin America</i> . 54 (04) : 12875-12887.	6.29
49.	Manisha, Bishnoi S.P., Abhi Ramavath, Chandrawat B.S., Meena Sharad Kumar and Mamata (2023). Management of root-knot nematode on okra through bio-agents. <i>International Journal of Environment and Climate Change</i> . 13(9) : 3231-3237.	5.13
50.	Choudhary Kavita, Bishnoi S.P., Dhayal Raju, Chandrawat B.S., Kulheri Anil and Gurjar Hemraj (2023). Sustainable management of root-knot nematode (<i>Meloidogyne javanica</i>) on brinjal. <i>International Journal of Environment and Climate Change</i> . 13(9) : 3231-3237.	5.13
51.	Dhayal Raju, Chandrawat B.S., Choudhary Kavita, Gurjar Vishnu, Bishnoi S.P., Gurjar Hemraj and Singh Hanuman (2023). In vitro Evaluation of Bio-agents on Hatching and Mortality of Root-knot Nematode, <i>Meloidogyne javanica</i> . <i>Biological Forum – An International Journal</i> , 15(8) : 356-359.	5.11
52.	Dhayal Raju, Chandrawat B.S., Choudhary Kavita, Gurjar Vishnu, Bishnoi S.P., Gurjar Hemraj and Singh Hanuman (2023). Bio-management of root-knot nematode, <i>Meloidogyne javanica</i> in tomato. <i>The Pharma Innovation</i> , 12 (8) :751-754.	5.23
53.	Choudhary Kavita, Bishnoi S.P., Dhayal Raju, Chandrawat B.S., Kumari Monu, Gurjar Vishnu and Gurjar Hemraj (2023). Effect on hatching and mortality of root-knot nematode (<i>Meloidogyne javanica</i>) by bio-agents. <i>International Journal of plant and soil</i>	5.07

	<i>science</i> . 35(19) : 1728-1735.	
54.	Bhati, S. S., B. L. Baheti, B. S. Chandrawat, and R. N. Kumhar. (2024). Influence of integrated nematode management modules against <i>Meloidogyne incognita</i> infecting cucumber in poly-house. <i>International Journal of Plant & Soil Science</i> 36(7) :250-257. https://doi.org/10.9734/ijpss/2024/v36i74727	5.07
55.	Kumawat, Kiran, S. K. Goyal, B. S. Chandrawat, G. L. Kumawat, Sushila Yadav, Kavita Kansotia, Pinki Sharma, Dinesh Kumar Meena, and Brijesh. (2024). Screening of fennel varieties/ germplasm against <i>Fusarium solani</i> and <i>Meloidogyne javanica</i> . <i>Journal of Scientific Research and Reports</i> 30 (7):313-18. https://doi.org/10.9734/jsrr/2024/v30i72147 .	5.17
56.	Meena, Rahul, B.S. Chandrawat, Manisha, and R.L. Midha. (2024). Occurrence and distribution of plant parasitic nematodes in mungbean in Jaipur district, Rajasthan, India. <i>Annual Research & Review in Biology</i> . 39 (7):32-39. https://doi.org/10.9734/arrb/2024/v39i72096 .	4.90
57.	Yadav Seema, Bishnoi S. P., Baheti B.L., Gurjar Hemraj, Chandrawat B. S., Parwati, and Kumhar Ramnarayan (2024) Efficacy of noval nematicide on root-knot nematode, <i>Meloidogyne javanica</i> and establishment of recommended dose in mung bean (<i>Vigna radiata</i> L.) <i>International Journal of Plant & Soil Science</i> . 36 (9): 578-584.	5.07
58.	Yadav Seema, Bishnoi S. P., Gurjar Hemraj, Parwati, Chandrawat B. S., Verma Rajkumar and Abhi Ramavath (2024) screening of mungbean germplasms against root knot nematode, <i>Meloidogyne javanica</i> to find out the source of resistance. <i>Journal of Advances in Biology & Biotechnology</i> . 27(10), 462-468.	5.30
59.	Choudhary Kavita, Bishnoi S.P., Dhayal Raju, Chandrawat B.S. and Mittal G.K. (2024) The Enzymatic Effect of Bio-agents on the Enzymatic Activity of Brinjal Infected with Root-knot Nematode (<i>Meloidogyne javanica</i>). <i>Journal of Advances in Biology & Biotechnology</i> . 27(10), 734-740.	5.30
60.	Yadav Seema, Bishnoi S. P., Gurjar Hemraj, Parwati, Chandrawat B. S., Yadav Dinesh Kumar, Rajveer, and Dhayal Raju (2024) <i>Meloidogyne</i> spp. root-knot nematode distribution and population status in autumn pulses in Rajasthan's zone IIIA. <i>Journal of Experimental Agriculture International</i> 46, (10), 126-135.	5.14
61.	Dhayal, Raju, B.S. Chandrawat, Kavita Choudhary, G.K. Mittal, and Basant Kumar Dadrwal. 2024. Effect of bio- agents on enzymatic activity and nematode management in tomato plants infected with <i>Meloidogyne javanica</i> . <i>Journal of Scientific Research and Reports</i> 30 (10):981-89. https://doi.org/10.9734/jsrr/2024/v30i102519	5.17
62.	Yadav Seema, Bishnoi S.P., Parwati, Gurjar Hemraj, Chandrawat B.S., Sharma Pawan, Kumhar Ramnarayan and Kumar Deepak (2024) Efficacy of different bio-control agents	5.05

	against the root-knot nematode, <i>Meloidogyne javanica</i> in mung bean (<i>Vigna radiata</i> L.) <i>Eco. Env. & Cons.</i> 30 (3): 1181-1184. DOI No.: http://doi.org/10.53550/EEC.2024.v30i03.033	
63.	Yadav Seema, Bishnoi S.P., Parwati, Gurjar Hemraj, Chandrawat B.S., Manisha and Choudhary Kavita (2024) Efficacy of certain oil cakes for the management of root-knot nematode, <i>Meloidogyne javanica</i> in mung bean (<i>Vigna radiata</i> L.). <i>Eco. Env. & Cons.</i> 30 (3) : 1441-1444. DOI No.: http://doi.org/10.53550/EEC.2024.v30i03.076	5.05
64.	Parwati, Chandrawat BS, Gurjar Hemraj, Bishnoi SP, Yadav Seema and Dhayal Raju (2025) Effect of <i>Meloidogyne javanica</i> and <i>Fusarium oxysporum</i> interaction on wilt disease incidence in cumin. <i>International Journal of Advanced Biochemistry Research</i> SP-9(1): 451-453	5.29
65.	Parwati, Chandrawat BS, Yadav Seema, Gurjar Hemraj, Singh Harshdeep and Manisha (2025) Screening of cumin varieties/germplasm for their reaction against root-knot nematode, <i>Meloidogyne javanica</i> . <i>International Journal of Research in Agronomy.</i> 8(1): 358-360. https://doi.org/10.33545/2618060X.2025.v8.i1e.2421	5.2
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FOLDER:

1. डॉ. जगदीश चौधरी, डॉ. डी. पी. एस. इंडी, डॉ. गजानंद जाट, विजय साहू एवं ब्रजनंदन सिंह चंद्रावत (2017) मृदा परिक्षण का महत्त्व और प्रतिनिधि नमूना लेने की विधि. RKVY/Salinity/VBN/Ext./2017/01
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POPULAR ARTICLE

English

1. Dr. B.D.S. Nathawat, Harshraj Kanwar and **Brajnandan Singh Chandrawat**: Efficacy of cow dung and urine in plant protection –Agrobios Newslatter vol.no. XV Issue no.08 (January 2017) pp-26-27.

2. Harshraj Kanwar, **Brajnandan Singh Chandrawat** and Dr. B.D. Singh Nathawat: Farmer Friend Fungus *Trichoderma* spp. –Agrobios Newsletter vol.no. XV Issue no.09 (February 2017) pp-106-107.
3. **Brajnandan Singh Chandrawat**, Harshraj Kanwar and Dr. B.D.S. Nathawat: Importance of neem (*Azadirachta indica*) as a fungicide. Agrobios Newsletter vol.no. XV Issue no.10 (March 2017) pp-31-32.
4. **Brajnandan Singh Chandrawat**, Harshraj Kanwar and Dr. B.D.S. Nathawat: nematode management in protected cultivation–Agrobios Newsletter vol.no. XV Issue no.11 (April 2017) pp-123-125.
5. Harshraj Kanwar, B.D.S. Nathawat and **Brajnandan Singh Chandrawat**: Oyster Mushroom. Agrobios Newsletter. vol. no. XV Issue no.12(2017) pp
6. Vimal Singh Rajput and **Branandan Singh Chandrawat**: Role of trap cropping in insect pest management. Marumegh. Vol. 2(3). (2017) pp
7. Dr. Harshraj Kanwar and **Dr. Brajnandan Singh Chandrawat** (November, 2020) Quarantine in Agriculture. Agrobios Newsletter. XIX (06): 99-100.

Hindi

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2. हर्षराज कंवर, भंवर देवी सिंह नाथावत, ब्रजनंदन सिंह चंद्रावत एवं नीलम गेट (2016) बेसिलस थ्युरेंजेनेसिस (बी.टी.) बैक्टीरिया का एक परिचय. हरित क्रांति. वर्ष 38 अंक -21. 10.05.2016.
3. रिया ठाकुर, हर्षराज कंवर एवं ब्रजनंदन सिंह चंद्रावत (2016) ग्रीष्मकालीन जुताई: एक बहुपयोगी प्रक्रिया- हरित क्रांति, 10 अप्रैल 2016 प्र. 4.
4. हर्षराज कंवर, रिया ठाकुर एवं ब्रजनंदन सिंह चंद्रावत (2016) ग्वार की बुवाई से बड़े किसानों की कमाई, कृषि गोल्डलाईन-1 से 15 अप्रैल, 2016, वर्ष 8 अंक 17, पेज: 4.
5. हर्षराज कंवर, ब्रजनंदन सिंह चंद्रावत, नीलम गेट एवं देवेन्द्र सिंह (2016) पोलीहाउस में पौध संरक्षण- राजस्थान खेती, मई 2016, पेज 18-19.
6. शक्ति सिंह भाटी, सुरेश तेली एवं ब्रजनंदन सिंह चंद्रावत (2016) पपीता की वैज्ञानिक खेती एवं पादप संरक्षण. हरित क्रांति., जून 2016, पेज 04.
7. डॉ. बी. एल. बाहेती, रामनारायण कुम्हार एवं ब्रजनंदन सिंह चंद्रावत (2016). मक्का का अद्रश्य दुश्मन - समस्या एवं समाधान. जोबनेर कृषि सितम्बर, 2016 (1-2)
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9. पूजा नरुका एवं ब्रजनंदन सिंह चंद्रावत (2016). जीरे में पौध संरक्षण. हरित क्रांति. वर्ष 38, 10 नवम्बर, 2016. पेज: 4

10. डॉ. प्रदीप सिंह शेखावत, हर्षराज कंवर, **ब्रजनन्दन सिंह चंद्रावत** एवं पूजा नरूका – दीमक की शत्रु एवम् किसानो की मित्र फफूंद मेटाराइजियम, हरित क्रांति, 10 दिसम्बर 2016 प. 4.
11. डॉ. प्रदीप सिंह शेखावत हर्षराज कंवर, **ब्रजनन्दन सिंह चंद्रावत** एवं पूजा नरूका- फसल मित्र फफूंद से करे भूमि रोगों का प्रबंधन, कृषि गोल्डलाईन-1 से 15 दिसम्बर, 2016, वर्ष 9 अंक 9, पेज:
12. डॉ. प्रदीप सिंह शेखावत, **ब्रजनन्दन सिंह चंद्रावत**, हर्षराज कंवर एवं पूजा नरूका - भूमिगत कीटों की नाशक व फसल मित्र फफूंद: बावेरिया बेसियाना- राजस्थान खेती, जनवरी 2017, प. 13.
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14. डॉ. आर. एन. शर्मा, डॉ. एस. के. खींची एवं डॉ. **बी. एस. चन्द्रावत** (जुलाई, 2020) खरीफ की दलहनी फसलों में रोगों एवं कीटों का प्रबन्धन, राजस्थान खेती-प्रताप, पेज न. 17-19।
15. डॉ. आर. एन. शर्मा एवं डॉ. **बी. एस. चन्द्रावत** (जुलाई, 2020) बाजरे की फसल को रोगों से बचायें, जोबनेर कृषि, पेज न. 5-7।
16. राजू धायल, कविता चौधरी, लाली जाट एवं डॉ. **बी. एस. चन्द्रावत** (अक्तूबर, 2020) टमाटर में सूत्रकृमी की समस्या, लक्षण एवं रोकथाम, जोबनेर कृषि, पेज न- 7-8।
17. डॉ. हेमराज गुर्जर, डॉ. एस.पी. बिश्नोई, डॉ. **बी. एस. चन्द्रावत**, डॉ. ए. एस. बलोदा एवं विष्णु गुर्जर (दिसम्बर, 2020) अमरुद के बागानों में जड़-गांठ सूत्रकृमी का प्रकोप, सावधानियां एवं प्रबन्धन, जोबनेर कृषि, पेज न- 1-3।
18. डॉ. जितेन्द्र सिंह, डॉ. आर.के. बागड़ी, डॉ. एस. के. गोयल एवं डॉ. **बी. एस. चन्द्रावत** (10 अप्रैल, 2021) ककड़ी के फलोत्पादन की तकनीक, हरित क्रान्ति पेज न- 7।
19. किरण कुमावत, बी. एस. चन्द्रावत, महेंद्र कुमार घासोलिया, कविता कासोलिया एवं पिंकी शर्मा (जनवरी 2023) सब्जी फसलों में जड़ गांठ सूत्रकृमी का प्रबंधन, राजस्थान खेती, पेज न. 12-13।
20. राजू धायल, डॉ. ब्रजनन्दन सिंह चन्द्रावत, डॉ. हेमराज गुर्जर एवं डॉ. एस. पी. बिश्नोइ (जनवरी 2024) फसलों में सूत्रकृमि जनित रोग एवं प्रबन्धन, कृषि स्मारिका, फर्म टेक एशिया 2024 पेज न. 65-66.।
21. सीमा यादव, पार्वती, राजू धायल, डॉ. एस. पी. बिश्नोइ, डॉ. ब्रजनन्दन सिंह चन्द्रावत, एवं डॉ. हेमराज गुर्जर (जून 2024) मशरूम के प्रमुख सूत्रकृमि (नेमेटोड), जोबनेर कृषि, पेज न. 5-7।
22. सीमा यादव, पार्वती, डॉ. एस. पी. बिश्नोइ, डॉ. हेमराज गुर्जर, एवं डॉ. ब्रजनन्दन सिंह चन्द्रावत (जून 2024) पॉली हाउस में खीरा उत्पादन, हरित क्रांति, पेज न. 6।
23. सीमा यादव, पार्वती, हेमराज गुर्जर, बी.एस. चन्द्रावत (23 से 29 सितम्बर 2024) सूत्रकृमि: मृदा पारिस्थितिकी पर प्रभाव, कार्बनिक पदार्थ पुनचाक्रण में भूमिका ! हलधर टाइम्स वर्ष 29 अंक 44 पेज न. 05.

BOOK CHAPTER: 01

1. Prasanna Holajjer, Kuldeep Singh Jadon, **Brajnandan Singh Chandrawat** and Bharat Gawade (2020) Seed borne and seed associated nematodes: An overview. *Book- Seed*

borne diseases of Agricultural crops: Detection, Diagnosis & Management. Springer, Singapore. Editors Kumar R., Gupta A. (eds).

2. Bhati, Shakti Singh, Baheti, B.L. and **Chandrawat B.S.** (2020) Maize cyst nematode (*Heterodera zae*): Pest of corn crop and their biological management. New perspectives in agriculture and crop science Vol.3. Editor Dr. Mehmood Ali Noor et al. DOI: 10.9734/bpi/npacs/v3.
3. Harshraj Kanwar, **B.S. Chandrawat** and Priynka Kumari Jat (2022) A potential phytopathogen *Puccinia* causes rust diseases chapter in Advances in sustainable agriculture. 162-168 Anaamaya Prakasshan E-776/7, Lalkothi Yojna, Jaipur
4. Gurjar Hemraj, Bishnoi S.P., **Chandrawat B.S.** and Gurjar Vishnu (2022) Study on symptoms and field diagnosis of various plant parasitic nematode problems in *Agricultural insect pests and their management*. Edited by Joginder Singh. Biotech Books. PP:01-08.
5. **Chandrawat, B.S.**, Kanwar, Harshraj, Pervez Rashid, and Siddiqui A.U. (2022) Management of plant-parasitic nematodes infesting pomegranate and guava. *Industrial Applications of Soil Microbes, Vol. 1*, Edited by Ashutosh Gupta, Shampi Jain & Neeraj Verma. Bentham Science Publishers. PP:192-204.
6. Chandrawat B.S., Dhayal Raju, Choudhary Kavita, Ranjan Sarthak and Gurjar Hemraj (2023) Nematode Management in Vegetable Crops Using Oilseed Cakes. CRC Press. Book Title- "Oilseed Cake for Nematode Management". PP 141-154.
7. C.P. Nama, Divya Vyas, B.S. Chandrawat and B.L. Baheti (2023) Oilcakes: A Useful Tool for Eco-Friendly based Nematode Management Tactics. Recent Trends in Insect Pest Management (Vol. 10) AkiNik Publications New Delhi. PP 111-127.
8. Yadav Seema, Parwati, Dhayal Raju, and Chandrawat B. S. (2024) Plant Parasitic Nematodes. In *Plant Protection Insights: Diverse Perspective on Plant Pathology and Entomology Volume 1*, Editors- Dr. Jahaar Singh, Ujjwal Sarkar, Aditya Kukreti, Dr. Jutimala Phookan, *Stella International Publication*, ISBN: 978-81-971840-9-3 P.P. 144-160.

MEMBERSHIP IN SCIENTIFIC SOCIETIES

1. Society of Plant Protection Sciences, New Delhi
2. Nematological Society of India, New Delhi
3. Asian Agri-History Foundation Rajasthan Chapter life time membership.
4. Society for Scientific Development in Agricultural and Technology
5. Society of Agriculture innovation and Development (SAID), Ranchi (Jharkhand), India

TRAININGS/WINTER SCHOOL /SUMMER SCHOOL ORGANIZED

S. No.	Particulars	Duration
1.	Training on "A Prospective on nematode problem in crops and their	07 Days

management” is jointly organized by Department of Nematology, **days** SKNCOA, Jobner and NAHEP, SKNAU, Jobner from 05 to 11 Dec. 2023.
Total 28 Participants participated in the training.

STUDENT THESIS COMPLETED

S. No.	Topic	Name of the student
1.	Survey, Pathogenicity and Management of Root-Knot Nematode (<i>Meloidogyne javanica</i>) on Mungbean (<i>Vigna radiata</i> L. Wilczek)	Rahul Meena
2.	Management of Root-Knot Nematode (<i>Meloidogyne</i> spp.) on Tomato through Eco-friendly Approaches	Raju Dhayal
3.	Pathogenicity, Varietal Screening and Management of Root-Knot Nematode, <i>Meloidogyne javanica</i> on Coriander	Manish Teli
4.	Assessment of Biochemical changes in Cumin (<i>Cuminum cyminum</i> L.) infected with Root-Knot Nematode (<i>Meloidogyne javanica</i>) and its Management	Parwati
5.	Management of root-knot nematode (<i>Meloidogyne javanica</i>) in Capsicum (<i>Capsicum annum</i> L.) through use of plant extracts	Sarthak Ranjan
6.	Survey and Management of Root-knot nematode on Pomegranate	Babita Choudhary

TRAININGS/WINTER SCHOOL /SUMMER SCHOOL ATTENDED					
S. No.	Details of activity	Duration	Date	Organizing Body	state/National/International
1.	Orientation programme	21 days	04 to 24 September 2018	HRD, SKNAU, Jobner	National
2.	Participatory Training Management Skills	3 days	13/11/2019 to 15/11/2019.	DEE, SKNAU, Jobner (Raj.) organized by GOI, EEI, AAU, Anand, Gujarat	National
3.	Harnessing new generation green technologies from plant, microbial and waste sources for sustainable crop, environmental and human health	21 days winter school	Dec. 26, 2019 to January 15, 2020	Division of Agricultural Chemicals ICAR- Indian Agricultural Research Institute (IARI), New Delhi	National
4.	Role and Use of Bio-Inputs for Plant Health Management	05 days	14th to 18th December, 2020	National Institute of Plant Health Management, Hyderabad	National
5.	Plant Quarantine Procedures for Imports and Exports'	05 days	08th to 12th February, 2021.	National Institute of Plant Health Management,	National

				Hyderabad	
6.	Pest Surveillance	05 days	31 st May to 04th June, 2021	National Institute of Plant Health Management, Hyderabad	National
7.	Field Diagnosis and Management of Plant Parasitic Nematodes	05 Days	14.03.2022 To 18.03.2022	NIPHM, Hyderabad	National
8.	Online Orientation Training Programme	7 days	March 05 to March 11, 2022	NSS Empaneled Training Institute, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan	State

RESEARCH PROJECT:

S. No.	Name of Project	Year of Start	Funding Agency	Amount	Remark
1.	Management of Root-Knot Nematode and Soil Borne Fungi under Green House Conditions	2024-25	RKVY	91.31 Lakhs	The project was discontinued by funding agency from May, 2025
2.	A bio stimulant Ecolaid Freedom MicroCyte Soil for use in Nutrient uptake studies, growth, and yield of cucumber	2024-25	PVT (Fertis India limited)	-	Successfully completed
3.	Bio-efficacy and Phytotoxicity Study of IPL-NI-009- <i>Paecilomyces lilacinus</i> 5% + <i>Pochonia chlamydosporia</i> 5% SP against Root-knot nematode in Tomato crop	2024-25	PVT (IPL)	-	On going