



## Dr Dewa Ram Bajya

**Email:** drbajya.ento@sknau.ac.in

**Phone:** 9968996213

**Address:** Jobner , Rajasthan , India - 303329

**ORCID ID:** 0009-0006-2283-7874

**Profile URL:** <https://vidwan.inflibnet.ac.in/profile/688225>

### AREAS OF EXPERTISE

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#### Plant Sciences

Agricultural Entomology &IPM

### EDUCATION

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#### Ph D 2012

*Chaudhary Charan Singh University, Meerut*

#### M Sc Ag (Entomology) 2002

*Swami Keshwanand Rajasthan Agriculture University*

#### B Sc Ag (HONS) 2000

*Swami Keshwanand Rajasthan Agriculture University*

### PROFESSIONAL EXPERIENCE

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#### Sri Karan Narendra Agriculture University, Jobner 2020 - Present

*Assistant Professor*

Jaipur

#### CABI (Commonwealth Agricultural Bureaux) 2015 - 2020

*Consultant*

Delhi

#### Institute of Pesticide Formulation Technology (Ministry of Chemical and Fertilizers) , Government of India 2011 - 2015

*Subject Specialist*

Gurugram

#### ICAR-Indian Institute of Maize Research 2009 - 2011

*Research Associate*

Ludhiana

**ICAR-Central Institute for Cotton Research** 2002 - 2007

Senior Research Fellow

Nagpur

## RESEARCH PROJECTS

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### **Bio-efficacy and Phyto-toxicity of Emamectin benzoate 5%SG against pod borer on chickpea crop**

Role: Principal Investigator

Year: 2025 | Amount: 5.90 Lakh

### **Bioefficacy & Phytotoxicity study of SLR 525 (Diafenthiuron 25%+ Pyriproxyfen 5%SE) against Jassids, aphids, Thrips, whitefly and Shoot & Fruit borer in brinjal crop and its effect on natural enemies.**

Role: Principal Investigator

Year: 2024 | Amount: 5.90 Lakh

### **Bio-efficacy of BAL 31 against Bollworms, Aphids, jassids, thrips & whitefly and yield attributing characters in cotton crop**

Role: Principal Investigator

Year: 2024 | Amount: 5.90 Lakh

### **Bio-efficacy and Phyto-toxicity of Methoxyfenozide20%+ Chlorantraniliprole 5% SC (Liger) against pod borer in chickpea croprop**

Role: Principal Investigator

Year: 2024 | Amount: 5.90 Lakh

### **Bio-efficacy and Phyto-toxicity of Emamectin benzoate 1%+ Tolfenpyrad 15% WDG (KREPL) on chilli crop**

Role: Principal Investigator

Year: 2023 | Amount: 4.00 Lakh

### **Bio-efficacy and phytotoxicity of Pyridalyl 7%+ Emamectin Benzoate 1% EC against fruit borer on tomato crop.**

Role: CO-PI

Year: 2022 | Amount: 4.00 Lakh

### **Bioefficacy & Phytotoxicity study of Buprofezin 25%SC against yellow mite in chilli crop and its effect on natural enemies.**

Role: Principal Investigator

Year: 2021 | Amount: 2.00Lakh

### **Bio-efficacy and phytotoxicity of BAS 550 011 against aphid on mustard crop.**

Role: CO-PI

Year: 2021 | Amount: 4.00Lakh

### **Bio-efficacy and Phyto-toxicity of BITCOL-16 (Tolfenpyrad 15% + Bifenthrin 7.5%SE) against sucking pests and Pink bollworm in cotton crop**

Role: Principal Investigator

Year: 2021 | Amount: 4.00Lakh

### **Management of Termite by Integrated Approaches and Indigenous technologies**

*Role: Principal Investigator*

Year: 2012 | Amount: 85 Lakh

## **HONOURS AND AWARDS**

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### **Best Oral Presentation Award 2023**

Awarded by: Pragati International Scientific Research Foundation, Meerut, UP

### **Distinguished Scientist Award 2017 2017**

Awarded by: HiTech Horticultural society, Meerut (UP)

## **PROFESSIONAL MEMBERSHIPS**

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### **Society for Horticulture Research & Development)-2012, Midipuram Meerut 2019**

*Life Membership*

### **Entomological Society of India 1939, New Delhi 2014**

*Life Membership*

### **Cotton Research & Development Association (CRDA)-1983, Hisar 2014**

*Life Membership*

### **Hi-Tech Horticultural Society (HTHS)-2008. 2013**

*Life Membership*

### **Plant protection Association of India (PPAI) 1972 Hyderabad 2012**

*Life Membership*

### **Plant protection Association of India (PPAI) 1972 Hyderabad 2012**

*Life Membership*

## **COMMITTEE MEMBERSHIPS**

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### **2nd Indian Horticulture Summit 2022**

*Assistant Professor*

### **Third International Agronomy Congress New Delhi 2012**

*Specialist*

## **PUBLICATIONS**

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1. **Seasonal Incidence of Helicoverpa armigera (Hub.) on Chickpea in Relation to Abiotic**

## **Factors Semi-arid Region of Rajasthan**

*Rajkumar Bajya, DK Bairwa, BL Jat, JK Bana, Akhter Hussain, SL Sharma, Laxman Singh Saini, DR Bajya, Suman Choudhary*

Biological Forum – An International Journal , Vol. 17(1) (2025) , pp. 14-18

2. **Mitigation of Drought Stress by Foliar Application of Salicylic Acid and Potassium Chloride in Cluster bean (*Cyamopsis tetragonoloba* L.)**  
*S.R. Dhaka S.C. Mahala, Harphool Singh, Lokesh Kumar Jat, D.R. Bajya, C.L. Khatik, K.C. Verma, Mujahid Khan*  
Agricultural Science Digest , Vol. 45(2) (2025) , pp. 1-6
3. **Impact of climatic variables on dusky cotton bug infestation in Bt cotton**  
*S Kumawat, A Hussain, S. L Sharma, D R Bajya, B L Naga, R K. Bajya*  
Entomology Students Conclave 2025 , Vol. (2025) , pp. 224
4. **EFFICACY OF VARIOUS INSECTICIDES AGAINST BLACK APHID, APHIS CRACCIVORA (KOCH) IN FENUGREEK CROP**  
*D R Bajya, J Lal, H. Singh*  
Book of Abstracts- FRONTIER SCIENCES AND TECHNOLOGY IN AGRICULTURE FOR A DEVELOPED INDIA , , Vol. 2 (ISBN: 978-81-977948-5-8) (2025) , pp. 640
5. **Effect of Weather Parameters on Seasonal Activities of *Plutella xylostella* (L.) on Cabbage**  
*Vinod Kumar, Akhter Hussain, SL Sharma, DR Bajya, Manisha Sharma, JK Bana, Laxman Singh Saini*  
Biological Forum–An International Journal , Vol. 17(1) (2025) , pp. 131-135
6. **Occurance of fall armyworm, *Spodoptera frugiperda* on maize (*Zea mays*) in higher altitudes of Kashmir, India: First report**  
*ISHTIYAQ AHAD, Danishta Aziz, ARADHANA PANDA, ISHFAQ MAJEED SHAH, ZAKIR KHAN, T VENKATESAN, DR BAJYA*  
Indian Journal of Agricultural Sciences , Vol. 95(1) (2025) , pp. 101-104
7. **Effectiveness of plant extracts and oils in managing blue mould rot of orange caused by *Penicillium italicum***  
*Meera Choudhary., G S Rathore., D R Bajya ., and Anita Jat*  
International Journal of Advanced Biochemistry Research , Vol. 8(7) (2024) , pp. 270-276
8. **Variability in different isolates of *Penicillium italicum* causing blue mould rot in orange (*Citrus reticulata*)**  
*Meera Choudhary, G. S. Rathore, D R Bajya, A. K. Pathak*  
Current Horticulture , Vol. 12(2) (2024) , pp. 56-58
9. **Evaluation of various insecticides against mustard aphid, *Lipaphis erysimi* (Kaltenbach) in mustard crop**  
*D R Bajya., H. P Singh., L K Jat.*  
Book of Abstract ISBN : 978-93-82263-61- , Vol. (2023) , pp. 144
10. **Effect of hydrogel with graded level of fertilizers on pearl millet (*Pennisetum glaucum* L.)**  
*H. P Singh., L K Jat., D R Bajya.*  
2nd International conference ICFPLS-2023 , Vol. (2023) , pp. 30
11. **Effect of Drip K Plus- a Biostimulant on the Yield, Quality and nutrient uptake by the Common Onion (*Allium cepa* L.)**  
*L K Jat., H. P Singh., D R Bajya.*

12. **Evaluation of new combination formulation BITCOL 16 (Tolfenpyrad 15%+Bifenthrin7.5%SE) against sucking pests of cotton and its effect on natural enemies.**  
*D R Bajya., L K Jat., H. P Singh.*  
2nd International conference ICFPLS-2023 , Vol. (2023) , pp. 104
13. **Evaluation of insecticides against mustard aphid, *Lipaphis erysimi* (Kaltenbach): EVALUATION OF INSECTICIDES AGAINST MUSTARD APHID**  
*DR BAJYA, J LAL, M RANJITH*  
Journal of Oilseeds Research , Vol. 40(3) (2023) , pp. 128-130
14. **Abundance and composition of arthropods in sugarcane (*Saccharum officinarum*) ecosystem**  
*M Ranjith, D R Bajya, Ramya R S.*  
Indian Journal of Agricultural Sciences , Vol. 92 (2022) , pp. 1386-1390
15. **Evaluation of Botanicals *Crotalaria burhia* Buch-Ham and *Anacardium occidentale* L. against Termite *Odontotermes obesus* Rambur (Isoptera: Termitidae) in Wheat**  
*M Ranjith, D.R Bajya, R.S. Ramya*  
Bhartiya Krishi Anusandhan Patrika , Vol. 37(4) (2022) , pp. 357-362
16. **First report of the fungus *Actinomucor elegans* Benjamin & Hesseltine belonging to *Odontotermes obesus* (Rambur) (Isoptera: Termitidae) in India**  
*Ranjith, M., R. S. Ramya, T. Boopathi, P. Kumar, N. Prabhakaran, M. Raja, and D. R. Bajya*  
Crop Protection , Vol. 145 (2021) , pp.
17. **Assessment of crop loss caused by *Chilo partellus* in maize**  
*P KUMAR, S. B. SUBY, J KAUR, D. R. BAJYA, J. C. SEKHAR, P. LAKSHMI SOUJANYA, J. JINDAL, R. SINGH, J. K. BANA, K. JHA . REDDY, L. M. and GIRISH*  
Indian Journal of Agricultural Sciences , Vol. 91 (2021) , pp. 218-221
18. **Arthropod diversity indices in floricultural ecosystem: Which fares better?**  
*RS RAMYA, M GANESH KUMAR, M RANJITH, DR BAJYA*  
Indian Journal of Agricultural Sciences , Vol. 91(3) (2021) , pp. 340-343
19. **Effect of natural safe rock minerals on growth, yield and quality of rice (*Oryza sativa*) in rice-wheat cropping system**  
*Ranwa Santosh, Y V Singh, Neelam Jain, C Bana Ramesh, RS Bana, D R Bajya*  
Indian Journal of Agricultural Sciences , Vol. 89 (2019) , pp. 1529-1535
20. **Indigenous technologies for the management of termites in Tamil Nadu**  
*M Ranjith, T Manoharan, D R Bajya*  
Indian Journal of Agricultural Sciences , Vol. 89(1) (2019) , pp. 182-184
21. **INFLUENCE OF NATURAL SAFEROCK MINERAL ON SOIL MICROBIOLOGICAL PARAMETERS UNDER RICE-WHEAT CROPPING SYSTEM**  
*Ranwa Santosh, Y V Singh, Neelam Jain, D R Bajya*  
Bangladesh Journal of Botany , Vol. 48(1) (2019) , pp. 145-151
22. **Integrated crop management practices for enhancing productivity, resource-use efficiency, soil health and livelihood security**  
*ARVIND KUMAR, ASHOK KUMAR, VIJAY POONIA, SUNIL KUMAR, DR BAJYA, MM PUNIYA*

23. **Field efficacy of *Beauveria bassiana* against rice leaf folder and its safety to spiders and coccinellids**  
*DR Bajya, M Ranjith*  
Indian Journal of Entomology , Vol. 80 (2018) , pp. 68-72
24. **Biodiversity of insect pests and natural enemies affiliated with wheat (*Triticum aestivum*) ecosystem in Haryana**  
*M RANJITH, D R BAJYA, T MANOHARAN, R S RAMYA*  
Indian Journal of Agricultural Sciences , Vol. 88 (2018) , pp. 157-158
25. **Role of intercrops in wheat for the management of termites**  
*M Ranjith, DR Bajya, T Manoharan, N Natarajan, Ramya RS*  
Journal of Entomology and Zoology Studies , Vol. 5(3) (2017) , pp. 740-743
26. **COM PAR ATIVE EF FI CACY STUDY OF PI CASSO GOLD ON GROWTH AND YIELD AT TRIBUTES OF CHILLI CROP**  
*A Kumar, D Kumar, D R Bajya*  
Annals of Horticulture , Vol. 10(2) (2017) , pp. 214-216
27. **Toxicity of diafenthiuron 50 WP (NS) to honey bees.**  
*M Ranjith, SV Krishnamoorthy, S Kuttalam, DR Bajya*  
Indian Journal of Entomology , Vol. 79(3) (2017) , pp. 244-247
28. **Evaluation of termiticidal activity and phytochemical analysis of *Crotalaria burhia* (Buch-Ham) and *Anacardium occidentale* (L.)**  
*M Ranjith, V Deotale, D.R. Bajya, M. Manoharan, T. and Gajalakshmi*  
Journal of Pharmacognosy and Phytochemistry , Vol. 6 (2017) , pp. 172-176
29. **Intercropping with cowpea: An ecofriendly tool of managing spotted stem borer, *Chilo partellus* on maize**  
*J Kaur, Bajya, D. R. and P. Kumar*  
Journal of Pharmacognosy and Phytochemistry , Vol. 6 (2017) , pp. 386-389
30. **Evaluation of Amistar Xtra 280 SC (Azoxystrobin 18.2%+Cyproconazole 7.3%) against yellow rust (*Puccinia striiformis*), brown rust (*P. tritricina*) and powdery mildew in wheat.**  
*T Parween, Pinki Bhandari Pinki Bhandari, DR Bajya*  
Annals of Plant Protection Sciences , Vol. 24 (2016) , pp. 132-135
31. **Efficacy of Diafenthiuron 47.8%SC Against sucking pests of cotton and its safety to natural enemies.**  
*D R Bajya, M Ranjith, M C Lakharan, S K Raza*  
Indian Journal of Entomolgy , Vol. 78 (2016) , pp. 15-23
32. **Evaluation and dosage standardization of a novel molecule, Cyenopyrafen 30%SC against yellow mite, *Polyphagotarsonemus latus* in chilli (*Capsicum annum* L.)**  
*D. R Bajya, M. Ranjith*  
Indian Journal of Agricultural Sciences , Vol. 86 (2016) , pp. 247-249
33. **Influence of weed management and nitrogen fertilization on weed dynamics, nutrient depletion by weeds, productivity and profitability of barley (*Hordeum vulgare*) in hot semi-arid region of western India**  
*MM PUNIYA, SS YADAV, DR BAJYA, ARVIND KUMAR*

34. **Field evaluation of Imidacloprid 17.8 SL against whitefly Bemisia tabaci (Gennadius) and its safety to natural enemies in tomato**  
*Bajya, D R and Ranjith M.*  
Pestology , Vol. 40(9) (2016) , pp. 27-30
35. **Evaluation of Beauveria bassiana 1.15%WP against chickpea pod borer, Helicoverpa armigera (Hubner) and its safety to natural enemies.**  
*D R Bajya, M Ranjith, S K Raza*  
Indian Journal of Agricultural Sciences , Vol. 85 (2015) , pp. 378-381
36. **Efficacy of new formulation of triasulfuron on weeds in wheat (Triticum aestivum) and their residual effects on succeeding maize (Zea mays)**  
*D R Bajya, T Parween, M C Lakharan, S K. Raza*  
Indian Journal of Agronomy , Vol. 60 (2015) , pp. 57-60
37. **Egg laying pattern of Sesamia inferens (Walker) on maize, Zea mays L.**  
*J Kaur, P Kumar, J Singh, SB Suby, D R Bajya*  
Indian Journal of Agricultural Sciences , Vol. 85 (2015) , pp. 109-113
38. **Acute Toxicity of Diafenthiuron 50%WP against Cardomom Shoot and capsule borer, Conogethus punctiferalis Guenee under laboratory conditions**  
*International Journal of Multidisciplinary Research and Development*  
International Journal of Multidisciplinary Research and Development , Vol. 1(1) (2015) , pp. 25-27
39. **Evaluation and dose standardization of newly combination fungicide Amistar Xtra 280 SC (Azoxystrobin 18.2% + Cyproconazole 7.3%) for control of wheat diseases**  
*D R Bajya, P Chilana, M C Lakharan*  
Pestology , Vol. 39(12) (2015) , pp. 50-54
40. **Bio-efficacy of Chlorantraniliprole 4.6%+ Lambda-cyhalothrin 9.3% against Helicoverpa armigera in Cotton**  
*DR Bajya, HS Baheti, SK Raza*  
Journal of Cotton Research and Development , Vol. 29 (2015) , pp. 94-98
41. **Repellent efficacy of Crotalaria burhia and Anacardium occidentale against Odontotermes obesus (Isoptera: Termitidae) under laboratory conditions**  
*M Ranjith, D. R BAJYA, T MANOHARAN, S SRIDHARAN, S KUTTALAM*  
Indian Journal of Agricultural Sciences , Vol. 85 (2015) , pp. 1234-1236
42. **Pesticide Tolerance and Crop Production**  
*Talat Parween, Dewa Ram Bajya, Sumira Jan, SK Raza*  
Crop Production and Global Environmental Issues , Vol. (2015) , pp. 79-102
43. **Mortality response of green lacewing, Chrysoperla carnea (Stephens) (Neuropter: Chrysopidae) to diafenthiuron 50%WP under laboratory conditions**  
*M Ranjith, S V Krishnamoorthy, S Kuttalam, D R. Bajya*  
Current Biotica , Vol. 9(2) (2015) , pp. 184-188
44. **Field study on repellent efficacy of Crotalaria burhia (Buch-Ham) and Anacardium occidentale (L.) against subterranean termite - Odontotermus obesus (Rambur)**  
*M Ranjith, D. R Bajya, T. Manoharan*  
Indian Journal of Natural Products and Resources (IJNPR) , Vol. 6(4) (2015) , pp. 288-292

45. **Efficacy of Newer Insecticide Formulation Against White Grub, *Holotrichia consanguinea* Blanch in Groundnut.**  
*D R Bajya, H S Baheti, S K Raza*  
Indian Journal of Agricultural Sciences , Vol. 85 (4) (2015) , pp. 581-584
46. **Evaluation of combination product (indoxacarb 5% + fipronil 5% Sc) against jassid, *Amrasca biguttula biguttula* and whitefly, *Bemisia tabaci* in cotton.**  
*D.R. Bajya, M Ranjith, M C. Lakharan*  
Indian Journal of Agricultural Sciences , Vol. 85 (2015) , pp. 1356-1359
47. **Isolation and identification of cellulose demoting symbionts from gut of Subterranean Termite *Odontotermes obesus***  
*D R Bajya, D Arya, M C Lakharan, M. Ranjith*  
Indian Journal of Agricultural Sciences , Vol. 85 (2015) , pp. 970-972
48. **Field Efficacy of Newer Insecticide Formulation Ampligo 150ZC against bollworm complex in cotton**  
*D R. Bajya, H S Baheti, S K. Raza*  
Journal of Cotton Research and Development , Vol. 29 (2015) , pp. 94-98
49. **Molecular marker based genetic diversity analysis in cotton using RAPD and SSR marker**  
*S Tyagi, S K Verma, K Nehra, D R. Bajya*  
Journal of Cotton Research and Development , Vol. 29 (2015) , pp. 232-236
50. **Efficacy of grain protectants against *Callosobruchus chinensis* in chick pea.**  
*Sandeep K Choudhary, US Nanda, JK Bana, AK Singh, DR Bajya*  
Annals of Plant Protection Sciences , Vol. 22 (2014) , pp. 209-210
51. **Bioefficacy evaluation of Lambda-cyhalothrin 4.9% CS formulation against Insect-Pests of Soyabean**  
*H S Baheti, D R Bajya, S K. Raza*  
Pestology , Vol. 37(1) (2013) , pp. 60-62
52. **Field efficacy of Thiamethoxam 75% SG against major sucking pests of cotton and effect on natural enemies**  
*D R. Bajya, H S Baheti, S K. Raza*  
Pestology , Vol. 37 (2013) , pp. 46-5-
53. **Seasonal Incidence of major Pest of Cabbage and Their natural Enemies**  
*J. K Bana, B L Jat, D. R. Bajya*  
Indian Journal of Entomology , Vol. 74 (2012) , pp. 236-240
54. **Ovipositional deterrrence of neem seed kernel extract against maize stem borer, *Chilo partellus* (Swinhoe)**  
*J Kaur, S B Suby, D R Bajya, J K Bana, P. Kumar*  
Crop Improvement , Vol. (2012) , pp. 855-856
55. **Study on seasonal abundance of *Helicoverpa armigera* (Hubner) in cotton based cropping system in Haryana.**  
*DR Bajya, D Monga, KISHOR CHAND Kumhar, MP Tyagi*  
Journal of Cotton Research and Development , Vol. 26(1) (2012) , pp. 92-95
56. **Impact of Transplanting dates on incidence of major insect pests of cabbage**  
*J. K Bana, B L Jat, D. R. Bajya*

57. **Monitoring of insecticide resistance in American bollworm (*Helicoverpa armigera*, Hubner) in cotton belts of Haryana**  
*D R Bajya, D Monga, K C Kumhar, M P Tyagi, S B. Suby*  
Journal of Cotton Research and Development , Vol. 25 (2011) , pp. 269-272
58. **Synthetic pyrethroids use pattern against *Helicoverpa armigera* on cotton in Haryana.**  
*DR Bajya, D Monga, MP Tyagi*  
Annals of Plant Protection Sciences , Vol. (2011) , pp. 19(1)
59. **Insecticide resistance management strategies for managing cotton pest complex**  
*D. R Bajya, D Monga, B L Meena, M. P Tyagi*  
Annals of Plant Protection Sciences , Vol. 18 (2010) , pp. 1-5
60. **Seasonal Monitoring of Insecticide Resistance in *Helicoverpa armigera* (Hubner) on Cotton and Chick pea.**  
*D R Bajya, D Monga, M P Tyagi*  
Indian Journal of Plant Protection , Vol. 38 (2010) , pp. 41-46
61. **Population dynamics of *Helicoverpa armigera* on chickpea, pigeon pea and cotton in correlation with weather parameters.**  
*D. R Bajya, D Monga, M. P Tyagi, B. L. Meena*  
Annals of Plant Protection Sciences , Vol. 18 (2010) , pp. 227-229
62. **Seasonal Abundance of *Helicoverpa armigera* (hubner) on cotton based cropping system in Haryana**  
*D R Bajya, D. Monga*  
Indian Journal of Entomology , Vol. 71 (2009) , pp. 249-254
63. **Efficacy of plant products and vegetable oils against Pulse beetle , *Callosobruchus chinensis* in cowpea**  
*D R Bajya, B I Meena, H L Deshwal*  
Indian Journal of Plant Protection , Vol. 35 (2007) , pp. 101-103
64. **Varietal screening of cowpea genotypes against *Callosobruchus chinensis*.**  
*DR Bajya, V Singh*  
Indian Journal of applied Entomology , Vol. 21(1) (2007) , pp. 38-39