Format of Bio-data

1. **Name** : Dr. DEV KARAN BAIRWA
2. **Current Position** :Asstt. Professor (Entomology)
   College of Agriculture, Kotputli
3. **Contact details** (M) :9461730511
   Email : **dkbairwa.ento@sknau.ac.in**
4. **Qualification B.Sc. onwards**

ACADEMIC QUALIFICATIONS:

Degree	Year	Board/ University	Marks/ CGPA
B. Sc. (Ag.) Hons.	1997	M.D.S. University, Ajmer	**61.40 %**
M.Sc. (Ag.) Entomology	2001	Rajasthan Agricultural University, Bikaner	**3.33/4.00**
Ph.D. (Entomology)	2005	Rajasthan Agricultural University, Bikaner	**7.24/10.00**
NET, Agricultural Entomology	2001	ASRB, New Delhi	**Qualified**

5. **Specialization** :Integrated Pest management
6. **Service record from Assistant Professor onwards**

Post	Institute / NGO	From	To	Reason of Leaving
Asstt. Professor (Entomology)	ARS, Navgaon (AICRP on Rapeseed Mustard), Directorate of Research, SKRAU, Bikaner	**01.08.2012**	**07.05.2013**	Transfer at SKN COA, Jobner
Asstt. Professor (Entomology)	SKN College of Agriculture , Jobner, Deptt. of Horticulture (AICRP on Arid Zone Fruits)	**08.05.2013**	**18.02.2024**	Transfer at COA, Kotputli
Asstt. Professor (Entomology)	College of Agriculture, Kotputli	**19.02.2024**	**Till dade**	

7. **Administrative experience**

S. No.	Nature of Duty	From	To
1	Master Trainer of Zone IIIb	08.02.2013	07.05.2013

2	In charge PHC	08.02.2013	07.05.2013
3	Technical Cell (Member)	10.02.2014	2017
4	Farm In charge	26.08.2013	04.07.2015
5	Co- Incharge Asalpur Farm	03.08.2015	25.04.2017
6	Farm In charge	25.04.2017	Till date
7	Store In charge	26.08.2013	15.07.2019
8	I/C Games and Sports, SKNCABM, Jobner	11.09.2019	
9	Team Manager, SKNCABM, Jobner	2018	2019
10	UG Advisor	2013	Feb. 2024
11	Warden	16.08. 2013	19.04.2018
12	Anti Ragging Squads	2013	2021
13	Land scapping Cell, Member	08.09.2016	Feb. 2024
14	I/C store Land scapping Cell	13.08.2020	Feb. 2024
15	I/C Technical work, AICRP on AZF	18.05.2016	Feb. 2024
16	Officer Incharge, SKNABM College	03.08.2018	
17	Member, Bio-wastes management	04.06.2021	Feb. 2024
18	Asstt. Director Research	Mar.,2014	Apr., 2018
1.	Convener TAP Committee	27.02.2024	08.04.2025
2.	ADSW	28.02.2024	Till date
3.	In charge Store	28.02.2024	Till date
4.	In charge Accounts	28.02.2024	Till date
5.	UG Advisor	Sem-II, 2023-24	Till date
6.	Convener Self-Study Report	18.04.2024	Till date
7.	Convener Anti-ragging Committee	26.06.2024	Till date
8.	Member student complaint committee	27.06.2024	Till date
9.	Member sexual harassment committee	27.06.2024	Till date
10.	Convener Spot Purchasing committee	09.01.2025	
11.	Convener Fine art competition and Judging committee	05.10.2024	
12.	Convener Judging committee	05.10.2024	
13.	Convener Judging committee	30.07.2024	
14.	Convener Essay Writing	30.07.2024	
15.	Member	14.10.2024	

8. **National/international Fellowship/Awards** : Nil
9. **Outstanding Research Achievements** : Nil
10. **Research Projects :**

List of Experiment conducted during AICRP on rapeseed and Mustard and AICRP on Arid Zone Fruits since 01 August 2012 to Feb. 2024:

Lists of experiments conducted during Rabi 2012-13 : (Experiment conducted in AICRP on Rapeseed and Mustard)

Code No.	Title
Project-	Sreening of IVT entries of Brassica for resistance against mustard aphid

5.1(A)	
Project 5.1 (B)	Sreening of AVT I and II entries of Brassica for resistance against mustard aphid
Projec 5.1 (C)	Sreening of promising entries of Brassica (2011-12) for resistance against mustard aphid
Project 5.2	Assessment of yield losses due to insect pests in brassica crops
Project 5.3	Population dynamics of various insect-pests on *Brassica* crops
Project 5.4	Bio-efficacy of newer insecticides against mustard aphid
Project 5.5	Project 5.5: Integrated pest magement of mustard aphid
Project 5.6	Survey and surveillance of insect pests and their natural enemies in rapeseed-mustard

Lists of experiments conducted during Rabi 2013-14 : (Experiment conducted in AICRP on Arid Zone Fruits)

Code No.	Title
AH 9.1:	Survey of insect, mites and other pests and their natural enemies
AH 9.2:	Population dynamics of major pests
AH 9.3:	Screening of germplasm against major pests in field as well as in laboratory conditions.
AH 9.25:	Estimation of Avoidable losses caused by insect pests in Aonla
AH 9.38:	Seasonal activity of shot hole borer
AH 9.39:	Management of shot hole borer on Aonla

Lists of experiments conducted during Rabi 2014-15 :

Code No.	Title
AH 9.1:	Survey of insect, mites and other pests and their natural enemies
AH 9.2:	Population dynamics of major pests
AH 9.3:	Screening of germplasm against major pests in field as well as in laboratory conditions.
AH 9.25:	Estimation of Avoidable losses caused by insect pests in Aonla
AH 9.38:	Seasonal activity of shot hole borer
AH 9.39:	Management of shot hole borer on Aonla

Lists of experiments conducted during Rabi 2015-16 :

Code No.	Title
AH 9.1:	Survey of insect, mites and other pests and their natural enemies
AH 9.2:	Population dynamics of major pests
AH 9.3:	Screening of germplasm against major pests in field as well as in laboratory conditions.
AH 9.25:	Estimation of Avoidable losses caused by insect pests in Aonla
AH 9.38:	Seasonal activity of shot hole borer
AH 9.39:	Management of shot hole borer on Aonla

Lists of experiments conducted during Rabi 2016-17 :

Code No.	Title
AH 9.1:	Survey of insect, mites and other pests and their natural enemies
AH 9.2:	Population dynamics of major pests
AH 9.3:	Screening of germplasm against major pests in field as well as in laboratory conditions.
AH 9.25:	Estimation of Avoidable losses caused by insect pests in Aonla
AH 9.38:	Seasonal activity of shot hole borer
AH 9.39:	Management of shot hole borer on Aonla

Lists of experiments conducted during Rabi 2017-18 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.25	Estimation of avoidable losses caused by insect pests in aonla
AH 9.38	Seasonal activity of Shot hole borer, *Xyleborus sp.*
AH 9.39	Management of Shot hole borer, *Xyleborus sp.* on Aonla

Lists of experiments conducted during Rabi 2018-19 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.38	Seasonal activity of Shot hole borer, *Xyleborus sp.*
AH 9.46	Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches.

Lists of experiments conducted during Rabi 2019-20 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.38	Seasonal activity of Shot hole borer, *Xyleborus sp.*
AH 9.46	Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches.

Lists of experiments conducted during Rabi 2020-21 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.46	Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches.
AH 9.50	Management of lemon butterfly, *Papilio demoleus* (Lepidoptera: Papilionidae) in bael through bio-ecological approaches

Lists of experiments conducted during Rabi 2021-22 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.46	Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches.
AH 9.50	Management of lemon butterfly, *Papilio demoleus* (Lepidoptera: Papilionidae) in bael through bio-ecological approaches

Lists of experiments conducted during Rabi 2022-23 :

Code No.	Title
AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.46	Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches.
AH 9.50	Management of lemon butterfly, *Papilio demoleus* (Lepidoptera: Papilionidae) in bael through bio-ecological approaches

Experiment conducted during 2023-24 :

AH 9.1	Survey of insect, mites and other pests and their natural enemies
AH 9.2	Population dynamics of major pests of ber Cv. Gola
AH 9.3	Screening of germplasm against major pests in field as well as in laboratory conditions
AH 9.50	Management of lemon butterfly, *Papilio demoleus* (Lepidoptera: Papilionidae) in bael through bio-ecological approaches
New	Management of pest complex in ber through IPM approaches.

Technology Developed

1. Management of shot hole borer, *Xyleborus sp.* on aonla:

For the management of shot hole borer in aonla pasting the imidachloprid 17.8 SL (2.8 ml), carbendazim 50 WP (5 g) and *Geru* (Red Soil) 400 g in one litre of water and applied as paste to tree trunk from ground level to the point of starting branches by cloth made brush in second week of February(ZREAC, POP, Govt. of Raj. recommendation 2017-18)

2. **Population dynamics of aonla leaf gall midge, *Asphondylia phyllanthi*:**

Population dynamics study of Aonla Leaf gall midge, *Asphondylia phyllanthi* revealed that the initiation of Aonla leaf gall midge, *Asphondylia phyllanthi* damage was started in the month of February and it was reached at its maximum level in the month of September in all the years. The pest population increasing with the increasing in temperature and pest population decreasing with the increasing of relative humidity and rainfall. The meteorological study showed that pest population positively correlated with the minimum and maximum temperature and negatively correlated with the relative humidity and rainfall(XXII Workshop, HRS, YSRHU, Anatapuramu (AP), 2017-18).

3. **Estimation of Avoidable losses caused by Leaf gall midge (*Asphondylia phyllanthi* Felt) and stem capsule borer (*Betousa stylophora* Swinhoe) in Aonla:**

The leaf damage by leaf gall midge and twig damage by stem capsule caterpillar in aonla can be minimized by the two foliar spray of imidachloprid 17.8 SL@0.3 ml/ltr starting from March at 20 days interval and subsequent two sprays of spinosad 45 SC @ 0.1 ml/lt at monsoon initiation at 20 days interval followed by removal of infested twigs(ZREAC, POP, Govt. of Raj. recommendation 2018-19).

4. **Seasonal activity of aonla shot hole borer, *Xyleborus sp*.:**

Seasonal activity of aonla shot hole borer, *Xyleborus sp*. indicated its peak activity from August to September with highest infestation level up to 30cm height from the ground level. (XXIV Workshop TNAU, Coimbatore , 2019-20).

5. **Varietal screening of bark eating caterpillar, Inderbella tetraonis on different ber cultivars**

Studies were conducted to see the comparative incidence of bark eating caterpillar, Inderbella tetraonis on different cultivars of ber. Pusa Prolific and Ashapuri-II were found least susceptible against bark eating caterpillar, whereas, Chandni Supari was found moderately susceptible and Gola,Umran, Kaithli, Ilaichi and Chomu Local were found highly susceptible at Jobner.(XXV Online workshop, CIAH, Bikaner, 2020-21).

6. **Management of bark eating caterpillar, *Indarbela tetraonis* Moore (Lepidoptera : Metarbelidae) in ber with bio- ecological approaches:**

Thrusting of wire + pouring of Neem oil 2 ml + plugging of holes with mud proved very effective for the management of Bark eating caterpiller of ber, *Indarbella* ***tetraonis*****(**ZREAC, POP, Govt. of Raj. recommendation 2020-21).

11. **Teaching Experience** :

Course taught during UG

Class	**Course design/ Subject taught**	**Year**	**Contributed as**
B.Sc. (Hons.) Ag. Pt. III	ENTO-4311, Pests of Crops and Stored Grains and their Management 4(3+1), COA, Fatehpur - Shekhawati	2015-16	100%
B.Sc. (Hons.) Ag. Pt. IV	Ent0-4411, Non insect pests and their management, 3 (1+2)	2015-16	100%
B.Sc. (Hons.) Ag Pt-I	ENTO-4121, Insect Morphology and Systematics, 3 (2+1)	2016-17	100%
B.Sc. (Hons.) Ag Pt-I	ENTO-4121, Insect Morphology and Systematics, 3 (2+1) COA, Lalsot	2016-17	100%
B.Sc. (Hons.) Ag Pt-I (A)	ENTO- 121, Fundamentals of Entomology, 3 (2+1)	2017-18	100%
B.Sc. (Hons.) Ag Pt-I (B)	ENTO- 121, Fundamentals of Entomology, 3 (2+1)	2017-18	100%
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (A)	ESDM-211, Environmental Studies and Disaster Management 3(3+0)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (B)	ESDM-211, Environmental Studies and Disaster Management 3(3+0)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. III (A)	ENTO-311, Pests of Crops and Stored Grains and their Management 4(3+1)	2019-20	100%
B.Sc. (Hons.) Ag. And MBA	ENTO-311, Pests of Crops and Stored Grains and their Management 4(3+1)	2019-20	100%

(ABM) Pt. III (B)			
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. I	ENTO- 121, Fundamentals of Entomology 3(2+1)	2019-20	100%
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (A)	ENTO-221, Insect ecology and principles of integrated pest management 2(1+1)	2019-20	100 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (B)	ENTO-221, Insect ecology and principles of integrated pest management 2(1+1)	2019-20	100 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (A)	ENTO-222, Bio-pesticide and bio-fertilizers 3(2+1)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (B)	ENTO-222, Bio-pesticide and bio-fertilizers 3(2+1)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. III (A)	ENTO-321, Management of beneficial insects 2(1+1)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. III (B)	ENTO-321, Management of beneficial insects 2(1+1)	2019-20	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. II (B)	ESDM-211, Environmental Studies and Disaster Management 3(3+0)	2020-21	50 %
B.Sc. (Hons.) Ag. And MBA (ABM) Pt. III (A)	ENTO-311, Pests of Crops and Stored Grains and their Management 4(3+1)	2020-21	50 %
B.Sc.(Hons.) Ag. Pt. III (A)	ENTO-311, Pests of Crops and Stored Grains and their Management 4(3+1)	2020-21	50 %
B.Sc. (Hons.) Ag. Pt. I	ENTO- 121, Fundamentals of Entomology 3(2+1) at COA, Kisangarhbas	2023-24	100%
B.Sc. (Hons.) Ag. Pt. II	ENTO-221, Insect ecology and principles of integrated pest management 2(1+1) at COA, Kisangarhbas	2023-24	100 %
B.Sc. (Hons.) Ag. Pt. I	ENTO- 121, Fundamentals of Entomology 3(2+1) at COA, Kotputli	2023-24	100%
B.Sc. (Hons.) Ag. Pt. II	ENTO-221, Insect ecology and principles of integrated pest management 2(1+1) at COA, Kotputli	2023-24	100 %
B.Sc. (Hons.) Ag. Pt. III	ENTO- 321, Management of beneficial insects 2(1+1) at COA, Kotputli	2023-24	100

Following U.G. Courses Taught during Academic Year 2024-25:

Sr. No.	Class	Course No.	Sem.	Title with Credit Hour	Credit Hour
1.	B.Sc. (Hons.) Ag. Pt. III (COA, Kotputli)	Ento-311	I	Pest of Crops and Stored Grains and their management 4(3+1)	4.0
2.	B.Sc. (Hons.) Ag. Pt. I (COA, Kotputli)	ICF-111	I	Induction cum Foundation Course (Deeksharambh) 2 (0+2) NG	2.0
3.	B.Sc. (Hons.) Ag. Pt. III (COA, Jhilai)	Ento-311	I	Pest of Crops and Stored Grains and their management 4(3+1)	4.0
4.	B.Sc. (Hons.) Ag. Pt. II (COA, Jhilai)	ESDM-211	I	Environmental studies and Disaster Management 3 (3+0) Sharing course	1.5
5.	B.Sc. (Hons.) Ag. Pt. I (COA, Kotputli)	Ento-121	II	Fundamentals of Entomology 3(2+1)	3.0
6.	B.Sc. (Hons.) Ag. Pt. II (COA, Kotputli)	ENTO-221	II	Insect Ecology and Principles of Integrated Pest Management 2(1+1)	2.0
7.	B.Sc. (Hons.) Ag. Pt. II (COA, Kotputli)	ENTO-222	II	Bio-pesticides and Bio-fertilizers 3(2+1) shared Course	1.0
8.	B.Sc. (Hons.) Ag. Pt. III (COA, Kotputli)	ENTO-321	II	Management of Beneficial Insects 2(1+1)	2.0

Course taught during PG

Class	Course design/ Subject taught	Year	Contributed as	Proof at Page No.
M. Sc. (Ag.) Ento	Ent. -533, Biological control of crop pests and weeds	2019-20	50 %	
M. Sc. (Ag.) Ento	Ent. -533, Biological control of crop pests and weeds	2020-21	50 %	
	Extension Activities	2020-21	50 %	

Course taught during Ph.D.

Class	Course design/ Subject taught	Year	Contributed as	Proof at Page No.
Ph.D. Entomology	Ent. 612 , Advanced Insect Physiology , 3(3+0)	2021-22	50 %	
Ph.D. Entomology	Ent. 612 , Insect Physiology and Nutrition , 3(2+1)	2022-23	50 %	

Students completed Ph.D. Entomology degree under my supervision

S. N.	Title of thesis	Name of student	Year

1.	Seasonal incidence and Bio-intensive Management of Ber fruit fly, Carpomyia vesuviana Costa in Semi-arid region of Rajasthan	Miss Pooja Sharma	2024
2.	Seasonal Abundance and Management of *Helicoverpa armigera* (Hub.) through Bio-rational Approaches in Chickpea	Mr. Raj Kumar Bajya	2025
3.	Population dynamics and management of coriander aphid, Hyadaphis coriandri (Das) through biorational approach	Mr. Balkrishan Choudhary	2026

12. **Professional Contribution** (Extra Curricular Activities)
    - Working as a UG advisor
    - Member in different committees of SKNCOA, Jobner
    - Worked as member in Technical Cell SKNCOA, Jobner

13. **Conference/ Seminar/ Symposia/ Workshop attended** : Only number

Details ofTraining/Conference/Seminar attended

1	Fruit fly: Surveillance & Management	NIPHM, Rajendranagar, Hyderabad	Entomology	26 Feb. 2018	02 Mar., 2018
2	Reorienting Extension Education and Advisory Services for Sustainable Development of Farming Community	KVAFSU, Bidar, Karnataka and NADCL, Baramula, UT of J&K, Srinagar	Refresher Course	08.07.2021	28.07.2021

14. Publications:

Research Paper Published :

S. No.	**Author(s)**	**Title of paper /publication**	**Name of Journal / Magazine/ publisher**	**Volume, Issue & page**	**Year of publishing**	**NAAS Rating**
1	**Bairwa, D.K**., Kanwat, P.M. and Kumawat, K.C.	Field evaluation of different insecticides against jassid, *Amrasca bigutulla bigutulla* (Ishida) infesting okra	*Ann. Agric. Res.*	26(3): 387-390	2005	4.78
2	**Bairwa, D.K**., Kanwat, P.M. and Kumawat,	Effect of dates of sowing on the incidence of jassids,	*Ann. Agric. Res.*	26(3):	2005	4.78

	K.C.	whiteflies and shoot and fruit borer of okra		458-459		
3	**Bairwa, D.K.** and Kumawat, K.C.	Screening of okra varieties against jassid, *Amrasca biguttula biguttula* (Ishida) and whitefly, *Bemisia tabaci* Genn.	*Indian J. Ecology*	32(1): 88-89	2005	3.0
4	**Bairwa, D.K**.; Sharma, J.K. and Kumawat K.C.	Efficacy of insecticides biopesticides and plant product against whitefly on mothbean	*IndianJ. of Pl. Protection*	34(2):210-212	2006	3.0
5	**Bairwa, D.K**. and J.K. Sharma	Influence of dates of sowing on the incidence of insect pests of mothbean, *Vigna aconitifolia*Jacq. Marechal	*Journal of Eco-friendlily Agriculture*	2 (1) : 44-45	2007	1.0
6	**Bairwa,D.K**., Sharma,J.K. and Kumawat,K.C.	Effect of intercropping on the Incidence of Sucking Insect Pests on Mothbean [*Vignaaconitifolia*(Jacq.) Marechal.	Annals of Arid Zone	46 (2) :213-216	2007	3.02
7	**Bairwa, D.K**., Bhardwaj S.C.,Monga D. and Harish Verma	Efficacy of insecticide, bio-pesticide and plant products for the control of jassid, *Empoasca motti* Pruthi on mothbean crop.	National Conference of Applied Entomology , RCA, Udaipur	C-2 (72-74	2009	-
8	Harish Verma, Swaroop Singh,B.L. Jat, D.B. Ahuja and **Bairwa D.K.**	Biology and seasonal incidence of fruitfly,*Bactroceracucurbitae*Coquillett on round gourd in semi- arid ecosystem of Rajasthan.	National Conference of Applied Entomology , RCA, Udaipur	B-28 (63).	2009	-
9	**Bairwa D.K**., Bhardwaj S.C., Ashok Sharma and Harish Verma	Bio-efficacy of some insecticides against fruit borer, *Earias insulana* Boisd and *Earias vittela* Fab. on okra	National conference of plant protection in agriculture through Eco-friendly techniques	168-170	2010	-

			and traditional farming practices, ARS, Durgapura, Jaipur			
10	**Bairwa,D.K.**, Kakkar,A.K. and Batra, G.C.	Management Strategies for congress grass, *Parthenium hysterophorus* L. in Fatehabad districts of Haryana	3rd International Conference on PARTHENIUM, IARI, New Delhi	105-107	2010	-
11	**Bairwa, D.K.,** Sharma, J.K. and H. Verma	Field screening of mothbean, *Vigna aconitifolia* (Jacq.) Marechal entries against jassid, whitefly and thrips	*Indian Journal of Applied Entomology*	27(2): 93-97	2013	2.0
12	**Bairwa, D.K.,** Sharma, J.K. and H. Verma	Efficacy of insecticides, bio-pesticides and plant products against thrips, *Caliothrips indicus* Bagnal on mothbean crop	*Indian Journal of Applied Entomology*	27(2) : 102-105	2013	2.0
13	**Bairwa, D.K,** Sharma, S.L. and Sharma R.N.	Management of leaf gall midge and stem capsule borer in Aonla.	*Indian J. Arid Horticulture*	1 (1): 79-81	2019	3.06
14	Adarsh, Dandu and **Bairwa D.K.**	Influence of weather parameter on the seasonal incidence of major sucking insect pests of okra during *Kharif* season	*Indian J. Arid Horticulture*	1 (1) : 73-75	2019	3.06
15	Singh, Mahendra, **D.K. Bairwa**, Basant Kumar Dadarwal and Jyoti Chauhan	Relative efficacy of new generation insecticides against sucking insect pest of green gram	*Journal of pharmacognosy and phytochemistry*	8(2):882-886	2019	5.21
16	Mahendra Singh, **D.K. Bairwa** and B.L. Jat	Seasonal incidence of sucking insect pests of green gram	*Journal of Entomology and Zoology Studies*	7 (2) : 654-658	2019	5.53
17	Mahendra Singh, **D.K.**	Screening of green gram	*Journal of*	8(2):933-	2019	5.21

	Bairwa, Basant Kumar Dadarwal and Jyoti Chauhan	genotypes for resistance against sucking insect pests	*pharmacognosy and phytochemistry*	938		
18	**DK Bairwa**, KK Meena, SL Sharma and Manisha Sharma.	Evaluation of ber cultivars against bark eating caterpillar, *Indarbella sp.*under field condition.	Indian Journal of Arid Horticulture	2(1&2) :70-72	2020	3.06
19	Suman Choudhary, Manisha Sharma, S.L. Sharma, B.L. Naga, R.G. samota, A.L. Choudhary and **D.K. Bairwa**	Relative susceptibility of different lentil varieties against pulse beetle, *Callosobruchus chinensis* (Linn.)	*J. Exp. Zool. India*	24 (2): 1777-1784	2021	5.23
20	DL, Bagri, **DK Bairwa**, SL Sharma, R. Verma, K.K. Meena, D.K. Yadav, Attar Uddin and B.D. Sharma	Nutritional survey of ber orchards in Rajasthan.the pharma	*Innovation Journal*	10(4):1110-1111	2021	5.25
21	VP Meena, SK Khinchi, **DK Bairwa,** Aktar Hussein, KC Kumawat and K. Anvesh	Bioefficacy of chemical insecticides and biopesticides against, gram pod borer, *Helicoverpa armigera* (Hubner) and spotted pod borer, *Maruca testulalis* (Geyer) on green gram,{Vigna radiate (L.) Wilczek}	Legume Research	{LR-4416 (1-6}	2022	6.53
22	Pooja Sharma, **D.K. Bairwa**, Bhawani Singh Meena, Priyanka and Sushila Choudhary	The biology of *Coccinella septumpunctata* linn. on cowpea aphid, *Aphis craccivora* (Koch)	*Biological Forum- An International Journal*	14 (2):000-000	2022	5.11
23.	**D.K. Bairwa,** V.S. Meena, Sushila Aechra and Purusottum Sharma	Population dynamics of leaf gall midge, *Asphondylia phyllanthi* on aonla	Indian *Journal of Arid Horticulture*	5(1&2) pp.71-74	2023	
24	M.L. Choudhary, D.L. Bagdi, R.P. Ghasolia and **D.K. Bairwa**	Variability studies in bael (*Aegle marmelos*) genotype under semi-arid condition.	Indian *Journal of Arid Horticulture*	5(1&2) :46-53	2023	
25	Suman Kumari, **D.K. Bairwa,** Arjun Lal Choudhary and R.G. Samota.	Seasonal incidence of shoot and fruit borer, *Leucinodes orbonalis* (Guenee) on brinjal in	*The Pharma Innovation Journal*	SP-12 (7): 1264-1267	2023	

		relation to weather parameters				
26	Suman Kumari, **D.K. Bairwa,** Arjun Lal Choudhary and Priyanka.	Bioefficacy of newer insecticides and botanicals against shoot and fruit borer, *Leucinodes orbonalis* Guen. on brinjal	*The Pharma Innovation Journal*	12 (7): 729-736	2023	
27	Pooja Sharma, **D.K. Bairwa**, Shankar Lal Sharma, KG Vyas, Bhawani Singh Meena and Sushila Choudhary	Screening of ber, *Zyziphus mauritiana* Lamk germplasm against C. vesuviana under semi-arid condition	*International Journal of Advanced Biochemistry Research*,	SP-8 (11): 317-320	2024	5.29
28	Rajkumar Bajya, **D.K. Bairwa**, B.L. Jat, J.K. Bana, Akhter Hussein, S.L. Sharma, Laxman Singh Saini, D.R. Bajya and Suman Choudhary	Seasonal Incidence of *Helicoverpa armigera* (Hub.) on chickpea in relation to abiotic factors Semi-arid region of Rajasthan	*Biological Forum*-An International Journal	17 (1): 14-18	2025	4.96
29	Mahendra Meena,Vinod Saharan, K.K. Meena, Balraj Singh, Shalini Pilania, N. K. Gupta, Ajay pal, O.P. Garhwal, Y.K. Sharma, Uadal singh, Rajesh Bagri, M.K. Sharma, Rachna Sharma, B.L. Jakhar, Piyush Chandel, Damyanti Prajapati, Kinjal Mondal, Mital Mahala, **D.K. Bairwa** and Madhu Bai Meena	Synthesis and characterization of novel histidine functionalized chitosan Nanoformulations and its bioactivity in tomato plant.	*Scientific Reports*	14:15118	2024	9.8

Popular Articles:

Harish verma and DK Bairwa 2020. Chana ans sarson ki phasal me samanvit keet prabandhan.*Abhinav Krishi*, Year 2, No.3, Sept.2020

डी. के. बेरवा एव ंबी. एल. जाट 2016. खरीफ की फसलों में लगने वाले प्रमुख कीट व रोग एवं इनका प्रबंन्धन । जोबनेर कृषि, श्री कर्ण नरेन्द्र कृषि विश्वविद्यालय, जोबनेर–303329,जिला जयपुर, अंकः 8 पेजः 1 से 3 तक।

डी. के. बेरवा एस. के. खींची एवं राम गोपाल सामोता 2017. मूगं उडद के कीटों का प्रबंन्धन । कृषि गोल्डलाइन अंकः 2 पेजः 4

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मसाला फसलों में कीट, रोग एवं उनका समन्वित प्रबन्धन (२००६), कृषि अमृत,पेज ८-९

हिन्दी के दिन लदे या फिरें (२०११), राजभाषा पीयूष, नेशनल सीड्स कारपोरेशन लिमिटेड (२), पेज ३०-३१

Parvati Deewan, Surendra Singh, Rajhans Verma, Sushila Aechra and **D.K. Bairwa** 2024. Kharif ki Phaslo me Kharpatwar Prabandhan. *Mashik Chokhi Kheti,* pp.3-4.

Sushila Aechra, Surendra Singh, Parvati deewan, **D.K. Bairwa** and Krishna Aechra 2025. Hydrochar: A Noval Approach to Sustainable Environmental Solutions, *Innovative Agriculture,*Volume-01(06) pp. 187-188.

Purushotam Sharma, Manisha Sharma, Shankar Lal Sharma, Rajiv Kumar Narolia, Ratan Lal Sharma and **D.K. Bairwa** 2025. Management of Insect-pests of Guava with recently developed techniques. *Agriculture Magazine,* Volume -4(7), pp. 378-380.

Purushotam Sharma, Manisha Sharma, Shankar Lal Sharma, Rajiv Kumar Narolia, Ratan Lal Sharma and **D.K. Bairwa** 2025. Pest Warriors of the Desert: Cutting –Edge Techniques Revolutionizing Arid Horticulture. *AGRI MAGAZINE*, pp. 37-40.

Purushotam Sharma, Neeraj Kumar Meena, Ratan Lal Sharma, Tarun Kumar Jatwa and **D.K. Bairwa** 2024. Major Insect-pests of Bael and their Management. *Agriculture Magazine,* Volume -3(12), pp. 473-475.

Purushotam Sharma, **D.K. Bairwa,** Neeraj Kumar Meena, Ratan Lal Sharma, 2024. Major Insect-pests of Ber and their Management in Semi-Arid Region of Rajasthan. *Agriculture Magazine,* Volume -3(8), pp. 602-608.

Purushotam Sharma, Manisha Sharma, Shankar Lal Sharma, Rajiv Kumar Narolia, Ratan Lal Sharma and **D.K. Bairwa** 2024. Major Pests of Citrus and their Management. *Agriculture Magazine,* Volume -4(4), pp. 75-79.

Purushotam Sharma, Rajiv Kumar Narolia, Neeraj Kumar Meena , **D.K. Bairwa** and Manisha Sharma 2024.Major Insect Pests of Pomegranate and their Management. *Agriculture Magazine,* Volume -4(1), pp. 315-318.

Purushotam Sharma, **D.K. Bairwa,** Ratan Lal Sharma and Neeraj Kumar Meena 2024. Major Pests of Aonla and their Management. *Agriculture Magazine,* Volume -3(9), pp. 524-529.

Purushotam Sharma, Manisha Sharma, Rajiv Kumar Narolia, Ratan Lal Sharma, **D.K. Bairwa** and Neeraj Kumar Meena 2024. Farming with Honeybee. *Agriculture Magazine,* Volume -4(3), pp. 72-77.

Purushotam Sharma, Manisha Sharma, Shankar Lal Sharma, Rajiv Kumar Narolia, Ratan Lal Sharma and **D.K. Bairwa** 2025. Integrated Nursery Pest Management. *Agriculture Magazine,* Volume -4(5), pp. 402-407.

Resource material developed (Extension publication)

- Published a "**Souvenir**" 2024 for the College of Agriculture, Kotputli as a Editorial Member.
- Compiled and Edited Pamphlet on "***Production and Scientific cultivation of Dhingri (Oyester) Mushroom***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Bakri Palan: Kam Kharch me adhik munafa***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Different Soil Types of Rajasthan***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Library Resources and Services in Digital Era***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Indian Mustard: Recommended Varieties***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Beneficial Insects of Major Crops***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***E-Samridhi Portal: Dalo ki Upaj ka Pura Mol Bhav***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Natural Farming: A Noval Approach of Ecological Farming***" in 2024 for College of Agriculture, Kotputli
- Compiled and Edited Pamphlet on "***Safe Environment: A Life Line for Healthy Planet***" in 2024 for College of Agriculture, Kotputli

Bulletin/ Extension material published:

Extension Bulletin/ material	Title	Authors	Publishers/ ISBN
Pamplet	Azolla Production Technology	S.K. Joshi, P.C. Choudhary and **D.K. Bairwa**	Directorate of Research
	Vermicompost Production Technology	S.K. Joshi, P.C. Choudhary and **D.K. Bairwa**	Directorate of Research
Bulletin	Three decades of research in Arid Zone fruits (1984-2014)	S.K. Khadelwal, R.G. Jat, V.K. Agrawal, N.K. Gupta, S. Godika, **D.K. Bairwa**, D.L. Bagdi, C.S. Pareek, S.K. Goyal, S.L. Sharma	Department of horticulture, SKN College of Agriculture, Jobner
	Production Technology of Arid fruits	S.K. Khadelwal, R.G. Jat, V.K. Agrawal, N.K. Gupta, S. Godika, **D.K. Bairwa**, D.L. Bagdi, C.S. Pareek, S.K. Goyal, S.L. Sharma	Department of horticulture, SKN College of Agriculture, Jobner
	SKNAU Research	N.K. Sharma, M.C. Gupta,	Directorate of

	at a Glance	Manish Kanwat and **D.K. Bairwa**	Research
	Research Achievements	N.K. Sharma, M.C. Gupta, Manish Kanwat and **D.K. Bairwa**	Directorate of Research
Reports	Annual Report, 2016-17, SKNAU	Neelam Yadav, Rajendra Rathore, **D.K. Bairwa** and S.P. Singh	Directorate of PME
	SKNAU Research Highlight 2016-17 and 2017-18	V.K. Yadav, Neelam Yadav, **D.K. Bairwa** and B.L. Kumhar	Directorate of Research
Souvenir	2024	Associate Contributors	College of Agriculture, Kotputli

15. Extension Activities

The following TV and radio talk has been delivered by me, the details are as follows:-

Sr. No.	Title	Date of recording	TV /radio Talk	No. of events	Date of broadcasting
1.	Plant Protection Management	2013 to 2014	TV	04	-
2.	Kharif Phaslo ke Pramukh Keet Rog Prabandhan	11.07.2016	AIR	01	12.07.2016
3.	Chane ki Phasal me Keet Prabandhan	03.01.2019	AIR	01	08.01.2019
4.	Suskh Kshetriya Falo me Samanvit Keey Prabandhan	12.02.2021	AIR	01	26.02.2021
5.	Nasi Jivo ka Yantrik Prabandhan Kese Kare	28.04.2022	AIR	01	28.04.2022
6.	Bijiya Masala Phaslo me Samanvit Keet Prabandhan	-	AIR	01	Dec. 2022
7.	Phaldar Vriksho me Keet Prabandhan ke samanya Siddanth	09.03.2023	AIR	01	13.03.2023
8.	Gehu va Jo ki Phaslo me Deemak va Chuha Niyantran	01.03.2024	AIR	01	05.03.2024
9.	Krishi Rasayano ka Surakshit Prayog	29.08.2024	AIR	01	30.08.2024

16. <u>Patent Generated:</u>

- Design "**Honey Garlic Infused Scalp Brush for hair Growth**" as a Co-author registered in the Patent Office, Government of India by the design No. 431258-001 dated 22.09.2024.

- Design "**UV-Enhanced Forest Beetle Trap**" as a Co-author registered in the Patent Office, Government of India by the design No. 431257-001 dated 22.09.2024.
- Design "**Solar- Powered Biopesticide Sprayer for Aphids**" as a Co-author registered in the Patent Office, Government of India by the design No. 431255-001 dated 22.09.2024.
- Design "**Biospray Device for Mildew Control**" as a Co-author registered in the Patent Office, Government of India by the design No. 431254-001 dated 22.09.2024.
- Design "**Hemlock Extract Bio-pesticide Dispenser for pests**" as a Co-author registered in the Patent Office, Government of India by the design No. 431253-001 dated 22.09.2024.
- Design "**Double Conical Wasp Trap**" as a Co-author registered in the Patent Office, Government of India by the design No. 431252-001 dated 22.09.2024.

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