BIO-DATA

1.	**Full Name**	:	**Dr. Mohd. Arif**
2.	**Designation**	:	Scientist (Agronomy)
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5.	**Institution**	:	ICAR-Central Institute for Research on Goats, Makhdoom, Farah, Mathura (Uttar Pradesh) - 281122
6.	**Date of Birth**	:	05 June, 1989
7.	**Gender**	:	Male

8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	OGPA or % marks
1.	B.Sc. (Ag.)	2013	Agriculture Science	Chaudhary Charan Singh Haryana Agricultural University, Hisar	7.64/10 (76.4%)
2.	M.Sc. (Ag.)*	2015	Agronomy	Swami Keshwanand Rajasthan Agricultural University, Bikaner	8.81/10 (88.1%)
3.	Ph.D. (Ag.)**	2019	Agronomy	Maharana Pratap University of Agriculture and Technology, Udaipur	8.76/10 (87.6%)

* Thesis title - Effect of crop geometry and drip irrigation on Groundnut (*Arachis hypogeo* L.)

**Thesis title - Zinc Bio-fortification of Bread Wheat (*Triticum aestivum* L.) Varieties at Varying Nitrogen Level

9. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received

S.N.	Name of Award	Awarding Agency	Year
1.	National Talent Scholarship (NTS)	Indian Council of Agricultural Research (ICAR)	2009
2.	Senior Research Fellowship (SRF)	Indian Council of Agricultural Research (ICAR)	2015
3.	**Gold medal in M.Sc.**	Swami Keshwanand Rajasthan Agricultural University, Bikaner	2016

4.	**Gold medal in Ph.D.**	Maharana Pratap University of Agriculture and Technology, Udaipur	2019
5.	**Young Scientist Award** (For outstanding contribution in the field of Agronomy)	Agro Environmental Development Society on the occasion of 5th International Conference on "Advances in Agriculture, Environment and Biosciences for Sustainable Development (AAEBSD -2021)" held from 5th -7th August, 2021.	2021

10. Publications

Research papers

S.N	Author (s)	Title	Name of Journal	Vol.	Page	Year
1.	**Mohd Arif**, A. Kumar and R. Pourouchottamane	Pearl millet and cluster bean intercropping for enhancing fodder productivity, profitability and land use efficiency	*Bangladesh Journal of Botany*	51(1)	103-112	2022
2.	Kumar R, Gupta D L, Swaroop K and **Mohd Arif**	Evaluation of silage based ration in lactating goats under stall fed condition	*Indian Journal of Animal Nutrition*	38(1)	36-40	2021
3.	**Mohd. Arif**, Singh, M., Onte, S., Dey, D. and Kumar	Comparative evaluation of fodder qualities in different parts of locally available moringa (*Moringa oleifera*) strains.	*Indian Journal of Animal Sciences*	90(1)	80-84	2020
4.	Kadam S S, Solanki N S, **Mohd. Arif**, Dashora L N and Upadhyay, B	Growth yield and economics of dual purpose oats (*Avena sativa* L.) as affected by sowing time, cutting schedule and nitrogen levels.	*Range management & Agroforestry:*	41 (1)	87-93	2020
5.	**Mohd. Arif,** Dashora, L N, Choudhary, J, Kadam, S S and Mohsin M.	Effect of nitrogen and zinc management on growth, yield and economics of bread wheat (*Triticum aestivum*) varieties.	*Indian Journal of Agricultural Sciences*	89(10)	1664-1668	2019

6.	**Mohd. Arif**, Dashora, L N, Choudhary, J, Kadam, S S and Mohsin M.	Effect of varieties and nutrient management on quality and zinc bio-fortification of wheat (*Triticum aestivum*).	*Indian Journal of Agricultural Sciences*	89(9)	1472-1476	2019
7.	Kadam S S, Solanki N S, **Mohd. Arif,** Dashora L N, Mundra S L and Upadhyay, B. 2019.	Productivity and quality of fodder oats (*Avena sativa* L.) as influenced by sowing time, cutting schedule and nitrogen levels.	*Indian Journal of Animal Nutrition*	36 (2)	179-186	2019
8.	Khinchi, V., **Mohd. Arif** and Kumawat, S.M.	Effect of nitrogen and zinc levels on yield and economics of fodder pearl millet (*Pennisetum americanum* L.)	*Forage Research*	43 (4)	319-321	2018
9.	Khinchi, V., Kumawat, S.M. and **Mohd. Arif**	Forage growth and quality of pearl millet (*Pennisetum americanum* L.) as influenced by nitrogen and zinc levels in hyper arid region of Rajasthan	*Range Management & Agroforestry*	39 (2)	237-242	2018
10.	Kadam, S.S., Kumar, Ashok and **Mohd. Arif.**	Zinc mediated agronomic bio-fortification of wheat and rice for sustaining food and health security: A review	*International journal of Chemical Studies*	6 (1)	471-475	2018
11.	Kumawat, S. M., Kantwa S.R., Desai, D. H., **Mohd. Arif** and Khinchi, V.	Responses of dual purpose oats (*Avena sativa* L.) to sowing date, method and level of zinc with or without thiourea in irrigated arid ecosystem	*Range Management & Agroforestry*	38 (2)	215-220	2017
12.	Bhunia, S. R., Verma, I.M. & **Mohd. Arif**	Response of fenugreek (*Trigonella foenum-graecum*) to bio-regulators TGA and N-acetyl cystein	*Journal of Spices and Aromatic Crops*	26 (1)	55-58	2017
13.	Khinchi, V., Kumawat, S M,**Mohd. Arif** and Verma, J.	Growth and quality of forage pearl millet (*Pennisetum americanum* L.) as influenced by nitrogen and zinc levels in hyper arid region of	*Forage research*	43 (2)	125-129	2017

		Rajasthan				
14.	Kadam, S.S., Kumar, Ashok and **Mohd. Arif.**	Hybrid napier for round the year quality fodder supply to the dairy industry – A Review.	*International Journal of Current Microbiology and Applied science*	6 (10)	4778-4783	2017
15.	**Mohd. Arif,** Bhunia, S. R., Verma, I. M. and Vimal Khinchi.	Effect of Crop Geometry and Drip Irrigation on Growth, Yield and Economics of Groundnut (*Arachis hypogaea* L.)	*Environment & Ecology*	34(4C)	2274-2278	2016
16.	**Mohd. Arif,** Bhunia, S. R., Verma, I. M. and Bablesh Kumar.	Effect of Crop Geometry and Drip Irrigation on Root Growth, Water Use and Water Use Efficiency of Groundnut (*Arachis hypogaea* L.).	*Advances in Life Science*	5(2)	565-570	2016
17.	Kumawat, S. M., **Mohd. Arif**, Singh, Dushyant, Rathore, P. S and Shekhawat	Effect of growth regulators on growth, yield and quality of Sewan grass (*Lasiurus sindicus* Henr.).	*Range Management & Agroforestry*	37(1)	39-43	2016
18.	Kumawat, S. M., Singh, Dushyant, **Mohd. Arif**, Kumar, S., Rathore, P. S and Godara, S.L.	Effect of planting material and geometry on sewan (*Lasiurus sindicus* Henr.) productivity	*Forage Research*	41(4)	228-232	2016
19.	Kumawat, S. M., **Mohd. Arif**, Shekhawat, S.S. and Kantwa, S.R.	Effect of nitrogen and cutting management on growth, yield and quality of fodder pearlmillet (*Pennisetum glaucum* L.).	*Range Management & Agroforestry*	37(2)	207-213	2016
20.	Bhunia, S. R., **Mohd. Arif** and Verma, I. M.	Effect of crop geometry and drip irrigation levels on growth, yield and water use efficiency of pearl millet (*Pennisetum glucam*) in irrigated western arid Rajasthan	*Indian Journal of Ecology*	43(1)	365-367	2016
21.	Prajapat, A.L., Saharan, B., Bijarnia, A.L.,	Evaluation of Growth and Yield Attributes of Pearl Millet Based Intercropping	*Trends in Bioscience*	8(16)	4419-4423	2016

	Mohd. Arif and Jain, K.K.	Systems in Hyper Arid Partially Irrigated Western Rajasthan.				

Review papers

1.	Kumar R, Yadav M R, **Mohd. Arif**, Mahala D M, Kumar D, Ghasal P C, Yadav K C and Verma R K.	Multiple agro-ecosystem services of forage legumes towards agriculture sustainability: An overview.	*Indian Journal of Agricultural Sciences*	90 (8)	1367–1377	2020
2.	Kadam S S, **Mohd. Arif**, Chaturvedi K. and Mohsin M.	Enhancing productivity and quality of annual cereal forages through INM: A Review.	*International Journal of Current Microbiology and Applied Sciences*	9(5)	206-215	2020

Popular/ Technical articles

S.No	Title	Author's Name	Publisher	Year of Publication
Popular articles – Hindi				
1.	वैश्विक महामारी (कोविड -19) के दौरान: एकीकृत कृषि प्रणाली एक वरदान,	आर पुरषोत्तमाने, चेतना गंगवार, मोहम्मद आरिफ, अरविन्द कुमार एवं के गुरुराज.	ई-पशुपालन https://wp.me/pcrUCe-2sr	2021
2.	Pashu utpadkta badhane ke liye atirikt hare chare ka sanrakshan	**Mohd. Arif**, Arvind Kumar and Manoj Kumar Singh	RajBhasha Alok ICAR	2020
3.	Vegyanik fasal chakran dwara bakriyon ke liye varsh bhar hara chara utpadan	**Mohd. Arif**, Arvind Kumar and Manoj Kumar Singh	Pashudhan Prakash ICAR- NBAGR, Karnal	2020
4.	Samekit krishi pranali (IFS)- kisano ki satat aay v rozgar ke liye uttam vikalp	Ashok Kumar, **Mohd. Arif,** R P Yadav and S K Singh	RajBhasha Alok	2018
5.	Jaiv vividhta ka dusman: gajar ghas	**Mohd Arif,** Arvind Kumar, M K Singh and Sugad Singh	*Ajamukh*	2018
6.	Bakriyon ke liye chara utpadan ka yantrikaran	Arvind Kumar**, Mohd Arif,** Ravindra Kumar and M K Singh	*Ajamukh*	2018

7.	Marusthal ka kalpataru-Khejari.	**Mohd.Arif**, Ashok Kumar, Kadam S.S and Versha Gupta	*Vishwa Krishi Sanchar*	2017
8.	Krishi Vaniki-Vartaman evam Bhavishya	Ashok Kumar,**MohdArif**, Kadam S.S. and Versha Gupta.	*Vishwa Krishi Sanchar*	2017
9.	Adhik Paidavar ke liye Krishi Yantrikaran eak uttam vikalpa	**Mohd. Arif**, Ashok Kumar,Versha Gupta and Kadam S.S	*Vishwa Krishi Sanchar*	2017
10.	Silage : Chara sarankshan ki Vidhi.	**Mohd. Arif**, Ashok Kumar and Kadam, S.S.	*Vishwa Krishi Sanchar*	2016
11.	Jao ki unnat kheti kisano ke liye labhdayak	Choudhary, J., Sharma, Hemlata and **Mohd. Arif**	Rajasthan Kheti Pratap	2016
12.	Sinchai jal ko Vyarth na gavaye	**Mohd. Arif** and Bhunia, S.R.	Chaukhi Kheti, SKRAU, Bikaner	2014
13.	Bhumi ki utpadan kshamta badhane me jaiv urvarko ka mahtav	Kumar, Bablesh, **Mohd. Arif** and Verma I. M	Chaukhi Kheti, SKRAU, Bikaner	2015
14.	Poshak tatvo se bharpur : Khajur.	Kumar, Bablesh, Verma I. M. and **Mohd. Arif**	Chaukhi Kheti, SKRAU, Bikaner	2014
Popular articles – English				
1.	Leucaena leucocephala: An excellent fodder tree for animals.	Mohd. Arif, Arvind Kumar and D. L. Gupta	*Just Agriculture e-Magazine*	2021
2.	Trees as a source of fodder for goats in arid and semi-arid regions of India.	Mohd Arif, Arvind Kumar and R Pourouchottamane	*Indian Farming*	2021
3.	Feed Resource Management for Livestock during Covid-19 Pandemic.	Mohd. Arif, Arvind Kumar, Ravindra Kumar, Chetna Gangwar and B. Rai	*E- Pashupalan* https://wp.me/pbYZMt-2wy	2021
4.	Sustaining sheep and goats productivity in arid ecosystem though *Ailanthus excels*	Mohd. Arif, Arvind Kumar and D. L. Gupta	*Just Agriculture e-Newsletter*	2021

5.	Multi-storied pastoral system for sustainable sheep and goat production in arid and semi-arid regions of India.	Mohd. Arif, Arvind Kumar and D. L. Gupta	*Just Agriculture e-Newsletter*	2021
6.	Khejri: A miracle tree for goat rearing.	Mohd. Arif	*Just Agriculture e-Magazine*	2021
7.	Non-conventional feed resources	Onte S, Bhattacharjee S, **Mohd. Arif** and Dey D.	Agriallis	2019
8.	Beehive Briquette for maintaining desired microclimate in goat shelters.	Arvind Kumar, **Mohd Arif,** Ravindra Kumar and N Ramachandran	*Indian Farmer*	2019
9.	Mineral nutrition for plant health	**Mohd. Arif**, Ashok Kumar and S.S. Kadam	*Rashtriya Krishi*	2017
10.	Integrated farming system- A model land use plan for sustainable development.	Ashok Kumar, **Mohd. Arif** and S.S. Kadam.	*Rashtriya Krishi*	2017
11.	Role of cropping systems in forage production.	S.S. Kadam, **Mohd. Arif** and Ashok Kumar	*Rashtriya Krishi*	2017
12.	Vermi-technology : A need of the day	**Mohd. Arif**, S.S. Kadam and Ashok Kumar	*Indian Farmer*	2017
13.	Alley cropping- A way forward for sustainable agriculture	Ashok Kumar, Kadam, S. S. and **Mohd Arif**	*Indian Farmer*	2017
14.	Crop diversification for sustainable food and fodder production	Kadam, S. S., Ashok Kumar and **Mohd Arif**	*Indian Farmer*	2017
15.	Azolla - As Bio-fertilizer and Animal Feed	**Mohd. Arif**, Ashok Kumar and Kadam, S.S	*Indian Farmer*	2016
16.	Biofertilizers : An eco-friendly way to replace chemical fertilizers	Kumar, Bablesh and **Mohd. Arif**	*Reader shelf*	2015
17.	Management of poor quality water	**Mohd. Arif**	*Reader shelf*	2015

Technical folder

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Vyavsayik bakri palan hetu varsh bhar hara chara utpadan	**Mohd Arif,** M K Singh, Ravindra Kumar, Arvind Kumar, U B Chaudhary and Vijay Kumar	*Director, CIRG, Makhdoom*	2019
2.	Tips for Commercial Goat Farming	M.K. Singh, R. Pourchottamane, **Mohd. Arif**, Rakesh Kaushik, Anuj K Singh and Rupinder Kaur	*Director, CIRG, Makhdoom*	2019
3.	Plastic lined pond for azolla cultivation: A goat feed supplement	Arvind Kumar, N. Ramachandran, R. Kumar, S.P. Singh, **Mohd. Arif** and U.B. Chaudhary	*Director, CIRG, Makhdoom*	2019
4.	Plastic based appliance for scientific goat farming	Arvind Kumar, N. Ramachandran, B. Rai, **Mohd. Arif**, R.K. Singh and Navnath Indore	*Director, CIRG, Makhdoom*	2019

Book Chapters

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Charcoal briquette technology for microclimate control in goat shelters in mid/high altitude regions.	Kumar, Arvind, Ramchandran, N. and **Mohd. Arif**.	ICAR- Research Complex for NEH Region, Umiam, Meghalaya	2021
2.	Equipments and machinery for improving productivity of goat farm.	Kumar, Arvind and **Mohd. Arif.**	ICAR- Research Complex for NEH Region, Umiam, Meghalaya	2021
3.	Green fodder Conservation for improved goat production.	**Mohd. Arif**, Kumar, Ravindra, Kumar, Arvind and Rai. B.	ICAR- Research Complex for NEH Region, Umiam, Meghalaya	2021
4.	Importance of tree fodder for small ruminant production.	**Mohd. Arif**, Kumar, Arvind, Pourouchottamane, R. and Rai. B.	ICAR- Research Complex for NEH Region, Umiam, Meghalaya	2021

5.	Scientific feeding practices of goats at different physiological stages.	Kumar, Ravindra, Kumar, Arvind and **Mohd. Arif**	ICAR- Research Complex for NEH Region, Umiam, Meghalaya	2021
6.	Equipments and Machinery for improving productivity of goat farm	Arvind Kumar, **Mohd. Arif** and M K Singh	*Director, CIRG, Makhdoom*	2019
7.	Green fodder production and conservation for improved goat production	**Mohd. Arif,** Arvind Kumar, M K Singh and Sugad Singh	*Director, CIRG, Makhdoom*	2019
8.	Forage crops and cropping system for commercial goat production	**Mohd. Arif,** Arvind Kumar, R. Pourchotammane and M K Singh	*Director, CIRG, Makhdoom*	2019
9.	Farm Machinery for sustainable fodder production in goat farm	Arvind Kumar, **Mohd. Arif** and Ravindra Kumar	*Director, CIRG, Makhdoom*	2019
10.	Integrated farming system approach for sustainable resource utilization	**Mohd. Arif,** R. Pourchotammane, Arvind Kumar and M K Singh	*Director, CIRG, Makhdoom*	2019

e- Manual

- Chetna Gangwar, **Mohd. Arif**, A.K. Verma, Khushyal Singh, A.K. Dixit, Braj Mohan and Satish Chandra (2021). e-Training Manual National Training Programme (Online) on Scientific Goat Farming. ICAR-CIRG Makhdoom, Farah, Mathura-281122 (U.P.)

e- Bulletin

- **Mohd. Arif**, Chetna Gangwar, A.K. Verma, Ravi Ranjan, Khushyal Singh, A.K. Dixit, Braj Mohan and Satish Chandra (2021). Goat Husbandry Practices: An Informative e-Bulletin for 91st National Training Programme (Online). ICAR-CIRG, Makhdoom, Farah, Mathura-281122