

**RAJASTHAN UNIVERSITY OF VETERINARY & ANIMAL
SCIENCE, BIKANER
CURRICULUM VITAE (PERSONAL HISTORY)**

1. GENERAL INFORMATION:

Name	Dr. Ashok Kumar
Father's Name	Sh. Jay Prakash
Date of birth	20.09.1980
Place of birth	Jhunjhunu
Bonafide Residence (Name state and Country)	Rajasthan, India
Permanent Home Address	VPO- Jejusar, Via- Doomara, Tehsil- Nawalgarh, Dist.-Jhunjhunu (Rajasthan) PIN- 333707
Designation	Assistant Professor
Discipline	Veterinary Gynaecology and Obstetrics
Area of specialization	Veterinary Gynaecology and Obstetrics
Present place of posting with full Official Address.	Department of Veterinary Gynaecology and Obstetrics, College of Veterinary and Animal Science, Bikaner, RAJUVAS, Bikaner.

II. EDUCATIONAL QUALIFICATIONS

2.1 Examinations/Degree

Exam*/Degree	Year	University or Board	% Marks or GPA**	Division or Rank
B.V.Sc. and A.H.	2005	Rajasthan Agriculture University	6.67/10	first
M.V.Sc.	2009	Swami Keshwanand Rajasthan Agriculture University	7.76/10	first
Ph.D.	2018	Rajasthan University of Veterinary and animal Science	8.18/10	first
ICAR-NET	2012	Agriculture Scientists Recruitment Board	51/100	--

2.2 PROFESSIONAL TRAINING COURSES

Title of the training/Course	Duration with dates	Sponsored/Organized by
“Hands on Training on General Anaesthesia, Theloresectoscopy and LASER surgery”	One day (14th October 2014)	Department of Veterinary Surgery and Radiology, CVAS, RAJUVAS, Bikaner.
CAFT training on “Selection of superior sires, pre-breeding evaluation, quality semen production and fertility optimization in dairy animal: an update”	21 days (24Oct - 13Nov., 2017)	Department of Veterinary Gynaecology and Obstetrics, GADVASU, Ludhiana.
CAFT training on “Current reproduction technologies vis-à-vis fertility augmentation in farm animals”	21 days (09 - 29 Oct., 2018)	Department of Veterinary Gynaecology and Obstetrics, GADVASU, Ludhiana.
Orientation training on “Teaching Methodology”	21 days (28 March to 17 April, 2019)	Director of Extension, RAJUVAS, Bikaner.
Massive open online course (MOOC) on Digital Teaching Technique	1 to 31October, 2023	ICAR – National Academy of Agricultural Research Management, Hyderabad
NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC).	15 to 23 March, 2024	Organized by the University of North Bengal
NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM TTP) of University Grants Commission (UGC) from.	15 April to 25 April 2024	organized by MMTTC of Shri Lal Bahadur Shastri National Sanskrit University (Central University), New Delhi

2.3 AWARDS AND DISTINCTIONS DURING EDUCATIONAL CAREER

1. Certificate of honour for contributing as Rapporteur in the scientific session of National symposium on “Current challenges and opportunities in animal reproduction” and xxxi Annual convention of the indian society for study of animal reproduction (ISSAR). 3-5 th December, 2015, veterinary college, Hebbal, Bengaluru, Karnataka, India.
2. Appreciation certificate in Agri Unifest 2016-17

3. Appreciation certificate by Mahaveer International for outstanding contribution in infertility camp
4. Certificate for research article in journal “Cryobiology” with NAAS rating 8.05 as guide (on 15.08.2019)
5. Certificate of honour for contributing as Rapporteur in the scientific session of International Symposium on “Global perspective to enhance livestock fertility through modern reproductive techniques for doubling farmer’s income” and XXXV Annual Convention of Indian Society for Study of Animal Reproduction (ISSAR) 18-20 December, 2019, of Veterinary College and Research Institute, TANUVAS, Tamilnadu.
6. Certificate for participation in international conference 2020 held at New York (USA) organized by IETS from 176-19 January 2020 and publication of research paper in journal “Reproduction, Fertility and Development” with NAAS rating 8.11
7. Best poster presentation award in National Seminar cum Annual Conference of Indian Society for Sheep & Goat Production and Utilization (ISSGPU) on “Prospects and Potential of Small Ruminants Production for Enhancing Income under Changing Scenarios” held during 10-12 November, 2022 at ICAR- Central Sheep and Wool Research Institute, Avikanagar-Tonk, Rajasthan, India.
8. Best poster presentation award in (XXIII Annual Conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposia on Integrated Animal Health Care System: Opportunities and Challenges and Exploring New Avenues for Pharmacologists and Toxicologist from Employability Perspective. (02-04 November, 2023), College of Veterinary and Animal Science, Bikaner).

III. PROFESSIONAL EXPERIENCE

POSITIONS HELD

Post with pay scale	Organization	Period	Length	Nature of duties
Veterinary Officer (Rs.15600-39100 AGP 5400)	Animal Husbandry Department, Rajasthan	28.05.2009 to 23.07.2014	Five years & 2 months	Clinical and Extension services
Assistant	College of	24.07.2014 to	Four years	Teaching,

Professor (Rs.15600-39100 AGP 6000)	Veterinary and Animal Science, Bikaner	30.11.18	& 4 months	Research, Clinical and Extension services
Assistant Professor (Rs.15600-39100 AGP 7000)	College of Veterinary and Animal Science, Bikaner	01.12.2018 to till date	Five year & 1 month	Teaching, Research, Clinical and Extension Services
Incharge,	PVK, Ratangarh, Churu	27.02.21 to till date	More than 3 years	Administrative and extension

3.2 EXPERIENCE GAINED (DURATION)

Nature	Main (Yrs)	As subsidiary (Yrs)	Total (Yrs)
Teaching	More than 10 years (As Assitant Prof.)	-	More than 10 years
Research	More than 10 years (As Assitant Prof.)	-	More than 10 years
Extension Education	More than 10 years (As Assitant Prof.) + More than 5 years (As VO)	-	More than 15 years
Administration	-	More than 3 years	More than 3 years
Total	More than 15 years	More than 3 years	

3.5 NATURE OF EXPERIENCE

3.3.1 Teaching

UG Courses offered	VGO-511, VCP-511, VGO-421, VGO-411, VCP-411
PG Courses offered	VGO-6s01, VGO-602, VGO-603, VGO-604, VGO-606, VGO- 608, VGO-691, VGO-699, VGO-708
Text book and Lab Manuals prepared	<ul style="list-style-type: none"> Manuals for BVSc & AH students (VGO-511, VGO-411 and VGO-421 courses) Manual AHDP students (AHD-241 and AHD-242)
Course Curriculum Designed/Teaching Aids Developed etc.	Developed power point presentation on different topics of B.V.Sc & A.H and M.V.Sc. courses. Short videos were prepared for clinical cases and operations.

3.3.2 RESEARCH

3.3.2.1 DIRECT INVOLVEMENT IN RESEARCH PROJECTS

SN	Project Title	Capacity in which associated	Funding Agency	Location	Duration
1.	Establishment of Live Demonstration Model of Diversified Livestock Production System for Motivating Adoption to Enhancing agricultural Income	Co-Pi	RKVY	CVAS, Bikaner	20.12.2016 to 31.03.19
2.	Engineering and Technology Center for Animal Science, RAJUVAS, Bikaner	Co-Pi	State Plan	CVAS, Bikaner	Ongoing (since 16.05.2019)
3.	Studies on the role of ultrasonography in female reproductive disorders of cattle	M.V.Sc. Scholar	CVAS, Bikaner	CVAS, Bikaner	2 years
4.	Evaluation of various parameters affecting semen quality in Marwari stallion	PhD Scholar	CVAS, Bikaner	CVAS, Bikaner and NRCE	Three and half year
5.	Study on cryopreservation of stallion semen using glycerol and dimethylformamide cryoprotectants	Major Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2014-16)
6.	Effect of ascorbic acid and Glutathione on pre-freeze and post-thaw quality of equine semen	Major Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2015-17)
7.	Diverse surgical-	Advisor	CVAS,	CVAS,	2 years

	therapeutics approaches to treat obstructive urolithiasis in cattle calves		Bikaner	Bikaner	(2015-17)
8.	Studies on haematological, biochemical and hormonal profiles in buffaloes with dystocia	Major Advisor	CVAS, Bikaner	CVAS, Bikaner	2 years (2016-18)
9.	Sire evaluation of Tharparkar cattle using first lactation traits	Advisor	CVAS, Bikaner	CVAS, Bikaner	2 years (2016-18)
10.	Clinical evaluation of diverse surgico-therapeutic approaches for management of obstructive urolithiasis in cattle	Advisor	CVAS, Bikaner	CVAS, Bikaner	2 years (2016-18)
11.	Effect of season on the expression of fertility marker genes in Marwari stallion sperm	Major Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2017-19)
12.	Effect of zinc and gold nanoparticles on cooled and post thaw quality of stallion semen	Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2019-21)
13.	Effect of <i>Moringa oleifera</i> leaves supplementation on serum biochemical profile, fresh and cooled semen characteristics of Magra rams	Advisor	CVAS, Bikaner	CVAS, Bikaner and CSWRI, Bikaner	2 years (2020-22)
14.	Effect of addition of lyophilized heterologous seminal plasma and colostrum to semen extender on cooled	Major Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2019-21)

	and post thaw stallion semen quality				
15.	Studies on Ultrasonographic, Haematological and Immunological Markers Changes during Oestrus Cycle in Mares	Major Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2021-23)
16	Effect of addition of Spirulina platensis extract to semen extender on cooled and post-thaw semen quality of Marwari stallion	Advisor	CVAS, Bikaner	CVAS, Bikaner and NRCE	2 years (2021-23)
17.	Effect of dietary supplementation of Moringa Oleifera leaves extract on reproductive performance of pubertal Marwari rams	Advisor	CVAS, Bikaner	CVAS, Bikaner and CSWRI, Bikaner	3 years (2020-23)
18.	Isolation of bacteria associated with post-partum endometritis and their antimicrobial profile along with molecular characterization of Escherichia coli in dairy cows	Major Advisor	CVAS	Bikaner	2 years (2022-24)

3.3.2.2 MAJOR RESEARCH CONTRIBUTIONS

<p>Research done in partial fulfillment of M.V.Sc. degree on topic, "Studies on the role of ultrasonography in female reproductive disorders of cattle." Transrectal ultrasonography was found to be helpful in the diagnosis of reproductive disorders in cattle. It may also provide additional information about palpated structure.</p>
<p>Research done in partial fulfillment of Ph.D. degree on topic, "Evaluation of various parameters affecting semen quality in Marwari stallion." It was observed that the evaluation of scrotal biometry parameters, serum testosterone, seminal characteristics and expression of fertility related genes can be</p>

helpful in the selection of stallion for breeding purpose. Around 4 years of age can be considered optimum for the use of stallion for breeding purpose provided seminal parameters are normal.
Study on cryopreservation of stallion semen using glycerol and dimethylformamide cryoprotectants.
Effect of ascorbic acid and Glutathione on pre-freeze and post-thaw quality of equine semen.
Studies on haematological, biochemical and hormonal profiles in buffaloes with dystocia.
Effect of season on the expression of fertility marker genes in Marwari stallion sperm.
Effect of addition of lyophilized heterologous seminal plasma and colostrum to semen extender on cooled and post thaw stallion semen quality
Studies on Ultrasonographic, Haematological and Immunological Markers Changes during Oestrus Cycle in Mares
Isolation of bacteria associated with post-partum endometritis and their antimicrobial profile along with molecular characterization of Escherichia coli in dairy cows

3.3.2.3 RESEARCH REPORTS/PUBLICATION

PARTICULARS	NUMBER
Chapter in book	Chapter in book- 02
Research Paper/Short Notes	
Journal	In journals- 39
Seminar	In seminars- 25
Review Papers	
Journal	In journals- 02
Lead paper conf.	
Master's Thesis supervised	As major advisor: 07 As advisor: 06
Doctoral thesis supervised	As advisor: 01

3.3.3 EXTENSION EDUCATION/DEVELOPMENT WORK

3.3.3.1 ON CAMPUS ACTIVITIES

(i) TRAINING ORGANIZED AS COORDINATOR

Type of Training	Level of Trainees	Number of Courses
ATMA training	Youth and farmers	Total 27 trainings

(ii) PRODUCTION/DEVELOPMENT OF TRAINING MATERIAL

Type of Training	Level of Training	Year	No. of materials developed
ATMA training	Institute level	2021-22	PPT and folders- 4
ATMA training	Institute level	2022-23	PPT and folders- 4
Veterinary officers	Institute level	2022-23	PPT

(iii) AUDIO VISUAL AIDS DESIGNED/DEVELOPED

Developed power point presentation on different topics of B.V.Sc & A.H, M.V.Sc. and Phd courses.
PPTs developed on various topics for Veterinary officers and farmers training programmes
Short videos were prepared for clinical cases and operations.

3.3.3.2 Extension Publications

Type of Publications	NUMBER
Folders	01
Training manuals	02
Radio Talk/Scripts	04
T.V. Scripts	01

3.3.4 PARTICIPATION IN ADMINISTRATION CORPORATE LIFE

PARTICULARS	CONTRIBUTIONS
Administration Deptt.	
College	--
University	Incharge , PVK, Ratangarh, Churu Co-PI in Engineering and Technology Center for Animal Science Co-PI in Establishment of Live Demonstration Model of Diversified Livestock Production System for Motivating Adoption to Enhancing agricultural Income
Participation in Committees/Bodies	Acted as member of various committees in various college or University programmes/functions

Membership of professional Societies and office held	Membership of Indian society for study of animal reproduction (ISSAR)
Editorship of Journals	--
Co-curricular Activities Sports/Games/Cultural Activities	Participated in sports as incharge of particular games
Student Welfare Hostel	Participated in sports as incharge of particular games
Teachers Welfare Activities	Organized of SiddhaYoga Meditation camps for teachers and students

3.3.5 SEMINARS/CONFERENCES WORKSHOPS ATTENDED:

LEVEL	NUMBER
International	05
National	07
University/Institution	01

Dr. Ashok Kumar
Assistant Professor
CVAS, Bikaner
RAJUVAS, Bikaner