Curriculum vitae Dr. Bincy Joesph Assistant Professor PGIVER, Jaipur

1. GENERAL INFORMATION:

Name				
Name	Dr. BINCY JOSEPH			
	DI. BINC I JOSEFII			
Full Name	D. DIVOU JOSEDIU			
	Dr. BINCY JOSEPH			
Father's Name				
	Mr. T.P. JOSEPH			
Date of birth				
	6 May 1982			
Age in Year				
	41 years			
Place of birth	· · · · · · · · · · · · · · · · · · ·			
	Thodupuzha, Kerala			
Bonafide Residence				
	Deinstein India			
(Name state and Country)	Rajasthan, India			
Permanent Home Address	House no: 109, Shiv colony, Kishangarh Bass,			
	Alwar, Rajasthan 301405.			
Designation				
Designation	Assistant Professor (Senior Scale)			
	Assistant Professor (Senior Scale)			
Discipline				
	Veterinary Microbiology			
Area of specialization	Veterinary Bacteriology			
Present place of posting with full Official	Department of Veterinary Microbiology,			
Address.	PGIVER,NH-11, Agra road, Jamdoli, Jaipur,			
	Rajasthan, 302031.			

II. EDUCATIONAL QUALIFICATIONS

2.1 Examinations/Degree

Exam*/Degree	Year	University or Board	% Marks or GPA**	Division or Rank
Secondary school leaving certificate examination (10 th)	1997	Board of public examinations, Kerala	88.7%	First class with distinction
Pre- Degree certificate (10+2)	1999	Calicut University	80%	First class with distinction
BVSc & AH	2006	Kerala Agricultural University	8.1/10	First class with distinction (KAU merit holder for consecutive five years)
MVSc (Veterinary Bacteriology)	2008	Indian Veterinary Research Institute Bareilly, India	8.201/10	First class with distinction
Ph.D (Veterinary Bacteriology)	2012	Indian Veterinary Research institute Bareilly, India	8.526/10	First class with distinction
PGD (One Health)	2021	Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana	8.11/10	First class with distinction

*High School onwards **Indicate whether obtained out of 3.1, 4.0, 5.0 or 10

2.2 PROFESSIONAL TRAINING COURSES

Sl.	Title of the training/Course	Duration	Sponsored/Organized by
No.		with dates	

		01.1 (1	
1	Winter school school on "One health approach to combat AMR, zoonoses food safety sponsored by ICAR at CDSRZ, PGIVER, Jaipur.	21 days (1- 21 December 2023)	Sponsored by ICAR and organized by Department of Medicine and CDSRZ, PGIVER, Jaipur.
2	MOOC on "Digital teaching techniques"	31 days (1- 31 October 2023)	ICAR,NAARM,Hyderabad
3	MOOC on "Practical animal nutrition for augmenting livestock and poultry productivity"	6 weeks (11th July to 31st July 2023	Common wealth of learning, Canada and Department of veterinary and Animal husbandry extension education, Madras veterinary college, TANUVAS, Chennai, India
4	"Co- Creation One Health workshop"	1 day (18 th April 2023)	Indian institute of public heath Gandhinagar and AIIMS Jodhpur
5	Training programme on Multivariate Data analysis (online mode) organized by ICAR NAARM, Hyderabad during 20-27 March 2023	8 days (20 th March to 27 March 2023)	ICAR, NAARM, Hyderabad
6	MOOC on "constructive teaching and learning with technology (CTLT)- part -1 (C-02) which is a 2 credit course from the reflective teaching with ICT (courses for teachers) programme	April- June 2023	Tata institute of social sciences, Centre of excellence in teacher education Mumbai.
7	"National Training Programme for Faculty Development"	7 days (4th February to 11th February 2022)	ICAR-NAARM, Hyderabad
8	Short term training course on "Emerging, reemerging and transboundary animal diseases in India: Recent advances in diagnosis and control strategies"	10 days (20th September to 29th September 2021)	College of Veterinary sciences & Animal Husbandry, Central agricultural university, Aizwal, Mizoram.
9	Training programme on "Novel approaches for controlling parasitic diseases with special reference to integrated parasite management"	11 days (20th September to 1st October 2021)	Department of Parasitology, Colleg of veterinary and animal husbandry, NDVSU, Mhow (M.P.)
10	International training cum orientation programme entitield " immunology – A tool for disease management"	21 days (11th October to 31st October 2021)	Department of Veterinary Microbiology, College of Veterinary science and Animal Husbandry, Mhow (M.P.)
11	Training course entitled "Recent Advances in disease diagnosis and vaccines	21 days (27th July to 16th August 2021)	Department of Veterinary Microbiology, College of veterinary science & Animal Husbandry, Jabalpur (M.P.) NDVASU, Jabalpur.
12	One day workshop on "Judicious use of antimicrobials in veterinary sector"	1 day (18 th March 2021)	GADVASU Ludhiana
13	Participated in 3 days workshop on	3 days	Department of Bioscience and

	Diagnostic approaches in virology held at Department of Bioscience and Bioengineering, IIT- Guwahati from 04.03.2020 to 06.03.2020	(04 th March to 06 th March2020)	Bioengineering, IIT- Guwahati
14	Orientation training programme on teaching methodology	(21 days) 10 th may to 30 th May 2019	Directorate of extension education, RajasthanUniversity of Vaterinary and Animal sciences, Bikaner
15	Winter school on "Recent advances in the development of recombinant vaccines for veterinary use"	21 days (8 th to 28 November 2016	Sponsored by ICAR and organized by Department of Veterinary Biotechnology, IVRI, Izatnagar
16	National training programme on "techniques for exact identification and parasitic disease diagnosis in domestic animals"	21 days (16 th November to 6 th December 2015)	Sponsored by ICAR and organised by Centre for advanced Faculty training, Department of Veterinary Parasitology, Veterinary college, Hebbal, Bengaluru.
17	Workshop cum training programme on "Bioinformatic tools for genome analysis	3 days (14- 16 march 2011)	Organized by Bioinformatic centre IVRI, Izatnagar
18	Workshop on "Conducting EcoHealth Research : Basic skills"	2 days (26- 27 September 2016)	Organised by Public Health foundation of India and International Livestock Research institute under the India research initiative on Peri urban Human – Animal Environment Interface

2.3 AWARDS AND DISTINCTIONS DURING EDUCATIONAL CAREER

1. RAJUVAS independence day award in the year 2021 for publication articles in journal having NAAS rating above 7.

2. Felicitated by **Dean, PGIVER**, on Independence day 2021 for publication of articles having NAAS rating above 7

3. **RAJUVAS independence day award** in the year 2019 for best oral presentation in National conference

4 Best paper award for the presentation on Effective protection by DNA vaccine encoding protective antigen gene of (pag) *Bacillus anthracis* Sterne strain in Swiss albino mice. In the National symposium on newer concepts and approaches for improvement in animal health and production. 13-14 December, 2018. CVAS Navania, Udaipur.

5. **Second prize in poster presention** for the abstract Muskan Kaushal, Bincy Joseph, D.K. Sharma, Abhishek Gaurav, R.K. Nagda, S.S. Shekhawat, Amit Saraswat. Standardization of real time PCR for detection of Salmonella enteria from chicken meat samples.National symposium for challenges and opportunities for trackling veterinary public helath issues at

the human26-27 February 2019.

6. **Best Paper Award** for the abstract 'Muskan Kaushal, Bincy Joseph, DK Sharma, Abhishek Gaurav, R.K.Nagda, S.S. Shekhawat and Amit Saraswat. Virulence gene profiling of Salmonella typhimurium isolate by PCR and it's significance. National symposium on newer concepts and approaches for improvement in animal health and production. 13-14 December, 2018. CVAS Navania, Udaipur.

7. **Best Paper Award** for the abstract 'Tarunpreet, Sharma SK and Bincy Joseph Molecular characterization, detection and quantification of virulent strains of Shiga toxin like Escherichia coli isolated from Diarrhoeic lambs using sybr green real time PCR. National symposium on newer concepts and approaches for improvement in animal health and production. 13-14 December , 2018. CVAS Navania, Udaipur.

8.Venus international foundations **outstanding faculty award** for academic excellence, innovations and developments in veterinary microbiology for the year 2018

9. **Young woman award** in veterinary and Animal sciences for contributions and achievement in the field of veterinary bacteriology by Centre for advanced research and design, Venus International foundation, India 2018

10. **Young scientist award** for presentation entitled "Mutated lethal toxin of Anthrax; a potent therapeutic agent for cancer in session Microbial Biotechnology during the National seminar on Translational research in Biotechnology for improving Animal health and production" October 7-8, 2015.

11.Qualified in the **national eligibility test** (**NET**) for lectureship/assistant professorship conducted by **icar/asrb in april 2009** in the major discipline of **Veterinary Microbiology**

12.Qualified joint **csir –ugc national eligibility test (NET)** lecture ship held on 23rd December 2007.

13.Awarded the 'Junior Research Fellowship' by the Indian Council of Agricultural Research, (ICAR), Govt of India and secured 17th rank at the ICAR JRF Qualifying Examination for Postgraduate studies, 2006. Secured 2nd position during MVSc and First position during PhD in the discipline of Veterinary Bacteriology

14.Awarded with **Kerala agricultural university merit scholarship** for academic excellence in BVSc & AH from 2001-2006.

15.Second place in student canine judging competition held during all India dog show at college of veterinary and animal sciences , Mannuthy, Thrissur

16.Award of appreciation for contribution and dedication for the benefit of suffering animals on the occasion of 10th Indian veterinary congress and 17th annual conference of IAAVR held during March 11-12, 2010, organized by college of veterinary & animal husbandry , MPPCVVV, Jabalpur.(M.P.)

III. PROFESSIONAL EXPERIENCE

3.1. POSITIONS HELD

Post with pay scale	Organization	Period	Length	Nature of duties
Assistant professor (15600- 39100+ GP 7000)	RAJUVAS, Bikaner	10 September 2018 to till today	6 years 1 month	Teaching, research, and Extension and administration
Assistant professor (15600- 39100+ GP 6000)	RAJUVAS, Bikaner	16 July 2014-10 September 2018	4 years	Teaching, research, and Extension and administration
Senior Research fellow (fixed pay)	ICAR-NAE Biosensor project	28 April 2012 - 18 October 2013	1 year 6 months	Research

Specify whether Teaching, Research, Extension, Development or Administration.

3.3. NATURE OF EXPERIENCE

3.3.1 Teaching

UG Courses offered	General Veterinary Microbiology (VMC 211, 1+1)			
	Veterinary Immunology and serology (VMC 221, 1+1)			
	Systematic veterinary bacteriology and mycology(VMC 311, 2+1)			
	Animal biotechnology (VMC 321, 2+1)			
	Veterinary Microbiology (VM, 3+1)			
	Veterinary laboratory diagnosis (VLD411,)			
PG Courses offered	MVSc. Courses			
	Bacteriology I (VMC 601, 3+1)			
	Bacteriology II (VMC 602, 3+1)			
	Veterinary Mycology (VMC 603, 1+1)			
	General Virology (VMC 604, 2+1)			
	Systematic Animal Virology (VMC 605, 3+1))			
	Principles of Immunology (VMC 606, 2+1)			
	Vaccinology (VMC 607, 2+0)			
	Diagnostics of infectious disease (VMC 608, 1+2)			
	Techniques in Microbiology and Immunology (VMC 609, 0+3)			
	General Bacteriology(VMC 501, 2+1)			
	Veterinary Mycology (VMC 506, 1+1)			
	Basic concepts in laboratory techniques (PGS 504, 0+1)			

PhD courses Advances in Bacteriology, (VMC 701, 2+1) Advances in Virology, (VMC 706, 2+1)
Veterinary Microbial Biotechnology (VMC 718, 2+1) Oncogenic viruses (VMC 709, 2+0)
Microbial toxins (VMC 704, 2+1)
Modern immunotechnology (VMC 716, 1+2) Advances in immunodiagnostics (VMC 715, 1+1)
Advances in Veterinary Baceriology (VMC 601, 2+1) Bacterial genetics (VMC 603, 2+0)

Text book and Lab Manuals	1. Book : A hand book of common laboratory techniques
prepared	compiled by Dr. Sandeep Kumar Sharma, Dr. Bincy Joseph, and
PP	Dr. Alka Galav ISBN:-978-93-94016-12-5 in the year 2023.
	 Training Manual:- Dr. Sandeep Kumar Sharma, Dr. Bincy Joseph and Dr. Manish Agrawal (2022): Assistance to States for Control of Animal Disease (ASCAD) Program Compendium Training on "Techniques of Animal Disease Diagnosis and Control" ISBN Number: 978-93-83662-83-8 Training Manual for production and standardization of haemorrhagic septicaemia vaccine by Bincy Joseph & V.K. Chaturvedi Training manual on "pashu rog nidhan me prayogshala janch ka upayog
	5 1 5 6
	Preparation of Practical Manuals:
	i. Practical Manual entitled as General & Systematic
	Veterinary Bacteriology (Unit-1) for 2 nd Year B.V.Sc. A.H.
	degree program according to course curriculum of MSVE 2016.
	ii. Practical Manual entitled as Veterinary Mycology (Unit-2)
	for 2^{nd} Year B.V.Sc. A.H. degree program according to
	course curriculum of MSVE 2016.
	 iii. Practical Manual entitled as Microbial Biotechnology (Unit- 3) for 2nd Year B.V.Sc. A.H. degree program according to course curriculum of MSVE 2016.
	iv. Practical Manual entitled as Veterinary Immunology and
	Serology (Unit-4) for 2 nd Year B.V.Sc. A.H. degree program
	according to course curriculum of MSVE 2016.
	v. Practical Manual entitled as General and Systematic Veterinary Virology (Unit-5) for 2nd Year B.V.Sc. A.H.
	degree program according to course curriculum of MSVE
	2016
	vi. A laboratory manual on General veterinary microbiology
	by Bincy joseph & Deepak Sharma
	vii. A laboratory manual on Immunology and serology by
	Deepak Sharma & Bincy Joseph viii. Manual on Veterinary Virology by Bincy Joseph
	ix. Manual on principles of immunology by Bincy Joseph
	x. Manual on Systematic Bacteriology and Mycology By

	Deepak Sharma and Bincy Joseph. xi. Laboratory manual of Veterinary Microbiology by Bincy Joseph and Deepak Kumar sharma
Course Curriculum Designed/Teaching Aids Developed etc.	Prepared power point presentations for all the topics BVSc & AH syllabus as per MSVE 2016
F	

3.3.2 RESEARCH

3.3.2.1 DIRECT INVOLVEMENT IN RESEARCH PROJECTS (Include your Master's and Doctoral Thesis Research also)

SN	Project Title	Capacit y in which associat ed	Fundin g Agency	Location	Durati on
1	Establishment of Biosafety level -3 (BSL-3) facility for diagnosis of emerging zoonotic diseases	Co- PI	RKVY	PGIVER, Jaipur	2 years
2	Phenotypic and genotypic characterization of extended spectrum beta lactamase resistance in <i>Klebsiella pneumoniae</i> isolated from bovine milk samples	Major advisor	RAJUV AS	PGIVER, Jaipur	6 months
3	Prevalence of <i>Mycobacterium bovis</i> using comparative intradermal tuberculin test on cattle in small holder peri urban dairy farms in India	Mentor	Public helath foundati on of India	CVAS, Udaipur	6 months
4	Phenotypic and genotypic antibiotic resistance profile of <i>Staphylococcus</i> <i>aureus</i> isolated from various clinical conditions of animals	Major advisor	RAJUV AS	CVAS, Udaipur	6 months
5	Studies on prevalence and seroprevalence of PPR virus in sheep and goats in southern Rajasthan by enzyme linked immunosorbent assay	Major advisor	RAJUV AS	CVAS, Udaipur	6 months
6	Studies on seroprevalence of PPR virus in large animals in southern Rajasthan by cELISA	Major advisor	RAJUV AS	CVAS, Udaipur	6 Months
7	Molecular characterization of virulence factors of <i>Salmonella enterica</i> subspecies <i>enterica</i> serovar Typhimurium	Major advisor	RAJUV AS	CVAS, Udaipur	6 months
8	Dynamics of inflammosome on exposure to Peste de petites ruminants (PPR) virus	Major advisor	RAJUV AS	CVAS, Udaipur	2 years
	Development of biosensor based	Senior		ICAR-IVRI	1 year

9	diagnostics for brucellosis and PPR	research fellow	ICAR		6 months
10	Studies on immunogenicity of haemorrhagic septicaemia vaccine adjuvanted with aluminium hydroxide gel and saponin in mice	Master's research	ICAR- IVRI	ICAR-IVRI	1 year
9	Immune response studies of DNA vaccine construct encoding catalytically inactivated lethal factor (<i>lef</i>)and protective antigen 63 (<i>pa</i> 63) genes of Bacillus anthracis Sterne strain 34F2 in mice	PhD research	ICAR- IVRI	ICAR-IVRI	3 year

3.3.2.2 MAJOR RESEARCH CONTRIBUTIONS

(List your Significant contributions/research result/Inventions/ Discoveries)

1. Development of low viscosity oil adjuvant vaccines for Haemorhagic septicaemia

2. Development of Aluminium hydroxide gel saponin adjuvanted vaccine for Haemorrhagic septicaemia

3. Development of Microscopic Agglutination Test for Pasteurella multocida

4. Development of recombinant antigen based indirect ELISA for PPR

5. Patent filed for Replacement of capture antibody in the sandwich ELISA kit with hyper immune sera raised against recombinant antigen

6. Development of recombinant PA based vaccine for anthrax

7. Development of recombinant PA and recombinant mutated lethal toxin based vaccine for anthrax

8. Catalytic inactivation of lethal toxin of *Bacillus anthracis* by site directed mutagenesis

9.. Development of bicistronic DNA vaccine for anthrax along with monocistronic DNA vaccines

10. Development of multiplex PCR as an alternative to antibiotic sensitivity test

11.Studied the importance of seropositivity of cattle and buffalo to PPR virus after the global eradication of Rinder pest

12. Developed real time PCR for the detection of *Salmonella* Typhimurium in Chicken meat samples

13.Extended spectrum beta lactamase resistance in *Klebsiella pneumonia* isolated from bovine milk samples

3.3.2.3 RESEARCH REPORTS/PUBLICATION

(Include thesis Supervised by you)

PARTICULARS

NUMBER

Research Reports/	10
Bulletins/	
Monograph	
Hindi publication	
Chapter in book	
Research Paper/Short Notes	46 full length articles in journals and
Journal	54 abstracts presented in conferences
Seminar	
Review Papers	2
Journal	
Lead paper conf.	
Master's Thesis supervised	5
Doctoral thesis supervised	1

Enclose the list with complete details : LIST ENCLOSED (Annexure IB)

3.3.3 EXTENSION EDUCATION/DEVELOPMENT WORK

3.3.3.1 ON CAMPUS ACTIVITIES(i) TRAINING ORGANIZED AS COORDINATOR: 1

Type of Training	Level of Trainees	Number of Courses
Training co- cordinator "Techniques of Animal Disease Diagnosis and Control". at PGIVER Jaipur	Veterinary surgeons and Senior Veterinary surgeons	5 days (7 th to 11 th March, 2022)

(ii) CURRICULUM DEVELOPMENT FOR TRAINING COURSES

Type of Training	Level of Training	Year	No. of materials developed
ASCAD training "Techniques of Animal Disease Diagnosis and	For field veterinary surgeon	2022	Training manual:1 Booklets:2 Folder:2

Control". at		
PGIVER Jaipur		

(iii) PRODUCTION/DEVELOPMENT OF TRAINING MATERIAL : Training manual -3 Booklets:2 Folder:2

(iv) AUDIO VISUAL AIDS DESIGNED/DEVELOPED: NIL

3.3.3.2 DEVELOPMENT WORK: NIL

3.3.3.3 Extension Publications

Type of Publications	NUMBER
Bulletins	NIL
Booklets	2
Pamphlets	NIL
Folders	2
Training manuals	3
Popular Articles	2
Radio Talk/Scripts	NIL
T.V. Scripts	NIL
TOT Reports	NIL

3.3.4 PARTICIPATION IN ADMINISTRATION CORPORATE LIFE

PARTICULARS	CONTRIBUTIONS
Administration Deptt.	
	Inchange Demonstration (Misself) - 1 and a 11 and a f
College	Incharge, Department of Microbiology, at college of
	Veterinary and Animal science, Navania,
	Vallabhnagar, Udiapur.

University	Incharge Department of Veterinary Microbiology at PGIVER, Jaipur Literary coordinator, PGIVER, Jaipur
Participation in Committees/Bodies	Post Graduate Seminar Coordinator at CVAS, Navania, Vallabhnagar. Member of women cell at CVAS, Navania, Vallabhnagar
	Member of antiragging cell, PGIVER, Jaipur Member of women cell, PGIVER, Jaipur Member of Biometric attendance verification committee, PGIVER, Jaipur
Membership of professional	Member of purchase committee for Furnitures of Farmer's hostel, PGIVER, jaipur 1. Kerala Veterinary Council
Societies and office held	 Keraia Veterinary Council Veterinary council of India Indian Bird conservaton Network Indian association for the advancement of veterinary research Indian association of Veterinary microbiologist and immunologists
Editorship of Journals	NIL

Co-curricular Activities	1. Participated in the all India inter agricultural university sports
Sports/Games/Cultural	meet in the year 2003-04, 2004-05 & 2005-06 as a member of
Activities	Kerala agricultural university volley ball and Athletic team
	2. Athletic champion of Indian Veterinary Research Institute for the year 2006 and 2007 and won first prize in 100 mtr, 200 mtr race, and long jump and second prize in dicuss throw

Teachers Welfare Activities	NIL
Student Welfare Hostel	Acted as counselor for UG students as part of student counseling system
	15. As literary coordinator of PGIVER, Jaipur organised various literary events at PGIVER Jaipur
	14.Team manager of PGIVER team in inter collegiate sports and cultural meet of RAJUVAS "SPOCUL 2023"
	13.Member of organising committee of NSS camps
	12. Member of organizing comittee of college youth festival
	10.Convenor for Volley ball and athletics event during college sports meet
	9.Contingent manager of team CVAS Navania for RAJUVAS Sports Meet held at Bikaner.
	8. Member of organizing committee of all India inter agricultural university youth festival Agriunifest 2016- 2017 held at RAJUVAS, Bikaner.
	7.Tour incharge for 10 days educational tour of Final year B.V.Sc & A.H. students
	6. Represented and won laurels for the school at various state level competitions securing prizes in literary and other art competitions
	5. Paticipated student science congress and exhibition as well as mathematics exhibition at state level and won prizes during school days
	4. Actively participated in NSS camps and Swatcha Bharat Abhiyan at college.
	3. Acitive participant of NCC during B.V.Sc & A.H. passed NCC B certificate and attended two combined all wing annual training camps

3.3.5 SEMINARS/CONFERENCES WORKSHOPS ATTENDED:

LEVEL	NUMBER
International	3
National	20

State	NIL
University/Institution	1