

1. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost of the project (Rs in Lakh)	Extra-mural (Funding agency)/ Intra-mural	Status (Completed/Ongoing)	Duration
1	A Comparative Experimental Evaluation of Hepatoprotective activity of Dhatri Lauha and Nisha Lauha prepared with and without Lauha Bhasma	PI: Dr. S. R. Rajurkar Co-PI: Dr. N. D. Jadhav	Govt. Ayurveda College, Nanded	1.5 lakh	Agency	Completed	2018-2019
2	Studies on Hypolipidemic and Antioxidant efficacy of Lycopene and Curcumin beverages in Wistar rats	PI: Dr. S. R. Rajurkar Co-PI: Dr. N. D. Jadhav	MIT College of Food Technology Pune	2.5 lakh	Agency	Completed	2019-2020
3	Experimental evaluation of antidiabetics activity of Swarnavanva in alloxon induced diabetic in wistar rats	PI: Dr. S. R. Rajurkar Co-PI: Dr. N. D. Jadhav	Govt. Ayurveda College, Nanded	1.5 lakh	Agency	Completed	2020-2021
4	Pharmaceutical and analytical studies of "Hrudayarnava rasa" and its efficacy in atherosclerotic cardiovascular disease <i>in vivo</i> studies in New-Zealand white rabbits	PI: Dr. S. R. Rajurkar Co-PI: Dr. N. D. Jadhav	Govt. Ayurvedic College Pune	2.0 lakh	Agency	Completed	2020-21

2. Research Priorities:

1	Drug discovery & development of herbal remedies for betterment of Animal health (efficacy and toxicity studies) and development of herbal acaricides for pest control in animals.
2	Scientific validation of Ethno-veterinary practices, study on Pharmacological active compounds / principles, development of formulations and their applications in the diseases of animals and poultry (Clinical evaluation of herbal/polyherbal formulation).
3	Improvisation in drug delivery system by using innovative techniques. (e. g. Nanoparticles coated drugs, etc. for faster and better delivery)
4	Studies on panchgavya, urine distillate and other cow products for their application in the health and diseases of animals.
5	Development of in-vitro and in-vivo, rodents/non-rodents and zebra fish models for different disease conditions e.g. diabetes, arthritis, angiogenesis, anti-inflammatory, cancer models etc.
6	Regulatory toxicity studies by implementing various regulatory guidelines
7	In silico docking of herbal active principles or chemical compounds with animal disease targets with the use of bioinformatics and their ADME prediction for new drug discoveries for animal diseases.
8	Pharmacokinetic studies of new formulations, conventional drugs, herbal drugs and estimation of drug /pesticides residues in biological samples.
9	Antimicrobial activity of herbal compounds/drugs/endophytic bacteria and evaluation of antibacterial resistance of allopathic/alternative compounds.
10	Bioequivalence and pharmacodynamic studies of new formulations, conventional drugs, herbal drugs, etc.

3. Research Recommendations:- Nil

Sr. No.	18
Year	XX Joint Annual Science Research Council Meet-2022-2023
Project Title	Isolation and characterization of acaricidal principle of some herbs and its efficacy against <i>Rhipicephalus microplus</i> (Acarina: Ixodidae).
Investigators	N. D. Jadhav, S. R. Rajurkar, B. W. Narladkar, C. S. Mamde, M. S. Vaidya and A. R. Deshpande
Recommendations	To control the egg, larval and adult stages of ticks (<i>Rhipicephalus microplus</i>) in animal shed, it is recommended to use 5% chloroform extracts of <i>Jatropha curcas</i> as aqueous spray .

8. Research Priorities / Thematic areas: Department Wise:

Already mentioned in point no: 3

1) Facilities in department:

- Well established UG and PG lab with standard specifications as per VCI norms prescribed in 2009
- Staff chambers as per MSVE/VCI standards
- Auto analyser Biochemistry
- Refrigerated centrifuge
- Laboratory Animal House facility
- Laminar Flow
- Metabolic cage