

DEPARTMENT

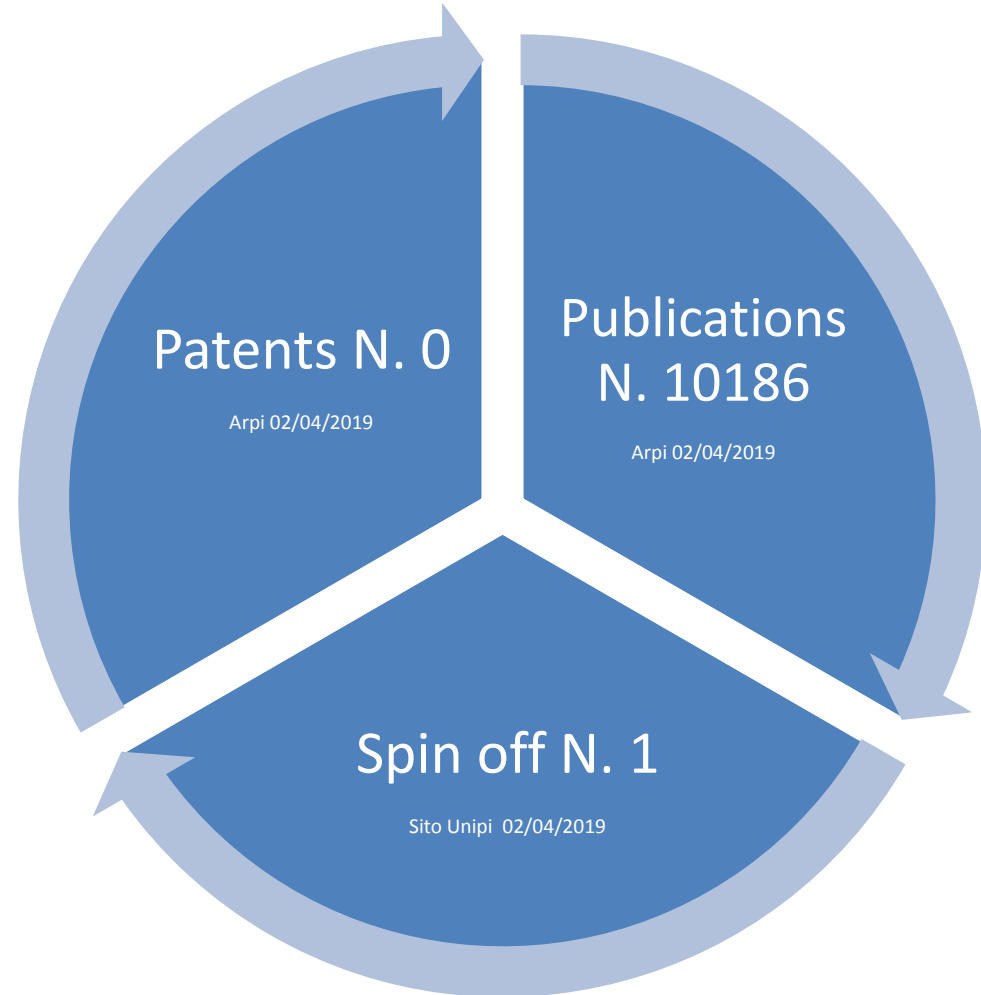
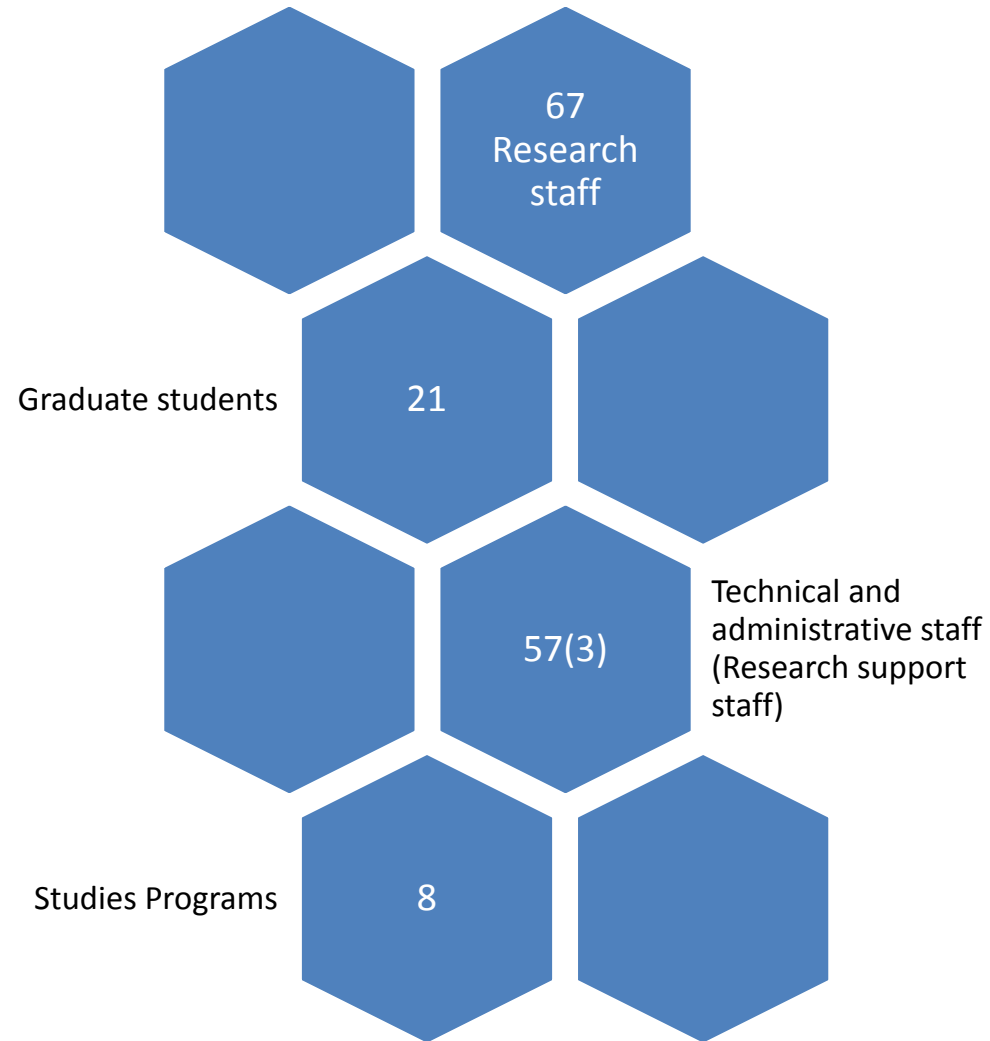
VETERINARY SCIENCES



TO RESEARCH, EDUCATE,
COLLABORATE AND INNOVATE THE
IMPROVEMENT FOR HEALTH AND
WELLNESS IN ANIMALS, PEOPLE
AND SOCIETY



DEPARTMENT AT A GLANCE



RESEARCH AREAS

One Health, animal health & food safety

Multidisciplinary perspective – infectious and parasitological diseases, animal health, therapies, food safety, microbiological-toxicological-environmental control

Human, animal and environment relationships on health

Dynamics understanding of factors affecting the improvement in animal health and food safety in relation to human health

One medicine the contribute from the Vet area

Studies on healthcare recognising overlaps between veterinary and human medicine

Human-animal related pathologies (cancer related pathologies, ageing and related diseases and therapeutic treatments, surgical interventions, herd health management, large animal diseases related to public health)

Human-animal bonds

Animal assisted activities and therapies, social farming, provision of innovative services and their possible positive outcomes on participants and the society

Innovative veterinary therapies for users, support the quality of family's life hosting a pet.

Quality food, Sustainable animal production and rural areas

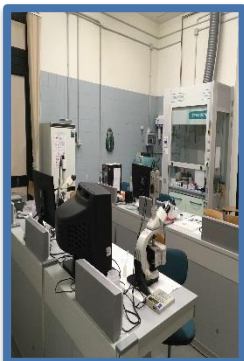
Studies on food quality and design of innovative processes and products in animal production (dairy and meat products, eggs, aquatic organisms and bee products) and in multifunctional farms.

Reduce negative footprint on environment, on animal welfare as well as on consumers ethical concerns.

High value(s) chains in animal production, circular economy and supportive development of rural-urban links.



RESEARCH PROJECTS: EXAMPLES



Veterinary public health & Antibiotic resistance in animal disease and food

- Microbiological mechanism enhancing bacteria antagonism
- Toxicological control on animal production and food chains
- Epidemiology of endoparasites, protozoa and fungi
- Virological, serological and phylogenetic investigations on viral infectious diseases of wild animals (norovirus, Hepatite E)



Innovative studies in pathology, surgical and clinical

- Veterinary and comparative oncology, studies on malignancy markers and carcinogenicity mechanism
- Innovative diagnostic procedures, surgical intervention and therapeutic approaches in oncology, kidney and heart disease
- Herd health management, diagnostic and prognostic markers of sepsis in large animals and horse



Animal assisted therapy, animal behaviour and social farming

- Animal behaviour and welfare in connection with human interaction and operational use in AAT/AAA
- Innovative use of multifunctional farms in social services provision

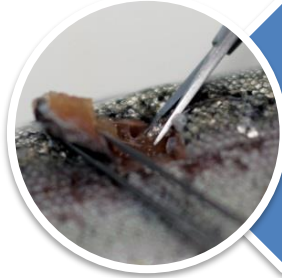


Sustainability and biodiversity preservation

- Animal biodiversity conservation
- Sustainability in animal production
- Innovative products and their quality (Meat, milk, honey and fish quality products)



RESEARCH IMPACT



Local

- Spin-off on expert system for food security
- Labelling of innovative ethical food value chains
- Partnerships and research collaboration with SMEs



Healthcare:

- Veterinary Teaching Hospital
- Certified labs (ISO)



Public engagement

- Impact on policy making (different areas of interest: Health, Agriculture)
- Cooperation with local Health institutions (ASL, IZZSS) and developing countries

