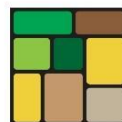


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|----------|----------------------------|
| CYCLE    | XXXVIII                    |
| STUDENT  | SULEMAN KHAN               |
| TUTOR    | Prof Dr Marzia Albenzio    |
| CO-TUTOR | Prof Dr Antonio Bevilacqua |

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| CURRICULUM                                | 1 Sustainable Agriculture, Natural Resources and Biodiversity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROVISIONAL TITLE of the RESEARCH PROJECT | <p><b>The object of the research program is the study on sheep grazing integration with legumes. In particular:</b></p> <ol style="list-style-type: none"> <li>1. The efficiency of this approach will be assessed through quantitative and qualitative analyses of performance in sheep and welfare condition, milk yield and quality.</li> <li>2. The evaluation of faecal microbiota and its comparison with microbiota of milk, and the simulation of the effects on the intestinal transit will allow to test the internal validity of the agro diversification strategy.</li> <li>3. The strategy's effect on ruminants' emissions will be indirectly evaluated by quantifying the presence of methanogen microorganisms.</li> </ol>                                                                                                                                                                                                                                                                                                           |
| DOCTORAL SCHOLARSHIP                      | PNRR Agritech                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SHORT CV                                  | <p><b>Education &amp; Research Summary</b></p> <ul style="list-style-type: none"> <li>• <b>PhD (Ongoing)</b> – Agriculture, Food, Natural Resources and Engineering, University of Foggia, Italy<br/><i>Research focuses on animal performance, milk quality, microbiota analysis, and environmental impact assessment.</i></li> <li>• <b>MSc Microbiology</b> Abasyn University, Pakistan<br/><i>Thesis on antifungal metabolites and silver nanoparticles against pathogenic bacteria.</i></li> <li>• <b>BSc Microbiology</b> – Kohat University of Science and Technology, Pakistan<br/><i>Researched antibiotic resistance of E. coli isolated from clinical samples.</i></li> </ul> <ol style="list-style-type: none"> <li>1. <i>Presence of BlaPER-1 and BlaVEB-1 Genes in P. aeruginosa Isolates</i> — <b>Suleman Khan et al., J. Bacteriology &amp; Mycology, 2022.</b></li> <li>2. <i>Biosynthesis of Antimicrobial Silver Nanoparticles by A. fumigatus</i> — <b>Suleman Khan et al., Pak. J. Med. &amp; Health Sci., 2022.</b></li> </ol> |



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|                     | <ol style="list-style-type: none"><li>3. <i>Distribution and Identification of Tick Species Infesting Donkeys</i> — <b>Suleman Khan et al., Systematic &amp; Applied Acarology, 2022.</b></li><li>4. <i>Secondary Metabolites of A. fumigatus against Pathogenic Bacteria</i> — <b>Suleman Khan et al., Bioscience Research, 2022.</b></li><li>5. <i>Sero-prevalence and Complications of Hepatitis B Virus Patients</i> — <b>Suleman Khan et al., Pak. J. Med. &amp; Health Sci., 2021.</b></li><li>6. <i>FTIR Spectroscopy for A. fumigatus Metabolites against MDR Bacteria</i> — <b>Suleman Khan et al., Pak. J. Med. &amp; Health Sci., 2021.</b></li><li>7. <i>Epidemiology and Clinical Manifestation of COVID-19</i> — <b>Suleman Khan et al., Pak. J. Life &amp; Soc. Sci., 2021.</b></li><li>8. <i>Molecular Detection of <math>\beta</math>-Lactamase Genes in P. aeruginosa UTI Infections</i> — <b>Suleman Khan et al., J. Survey in Fisheries Sciences, 2023.</b></li></ol> |
| <b>PUBLICATIONS</b> | <p>Manuscript in preparation</p> <ol style="list-style-type: none"><li>1. A focus on gut microbiota in early life of sheep, with a special focus on rumen microbiota. A short overview</li><li>2. Title: Evaluation of Artichoke Powder as a Functional Additive to Design a Synbiotic Beverage</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |