

LIST OF ACTIVITIES CARRIED OUT DURING THE PhD COURSE

<i>GENERAL INFORMATION OF THE PhD STUDENT</i>	
Surname and name	GROSSI GIAMPIERO
PhD course	Plant and Animal Production Sciences
PhD code	DOT1335834
Cycle	XXXII
Position	<input checked="" type="checkbox"/> with scholarship <input type="checkbox"/> without scholarship <input type="checkbox"/> other

<i>RESEARCH ACTIVITY</i>	
Supervisor(s) surname and name	PROF. UMBERTO BERNABUCCI ASSISTANT PROF. ANDREA VITALI
University, Research institution, Company	TUSCIA UNIVERSITY
Research title	GREENHOUSE GAS ASSESSMENT OF AGRO-SILVO-PASTORAL SYSTEMS OF THE MEDITERRANEAN COAST: THE CASE OF CASTELPORZIANO RESERVE

List of publications

- Grossi, G.**, Vitali, A., Lacetera, N., Danieli, P.P., Bernabucci, U., Nardone, A. 2020. Carbon Footprint of Mediterranean Pasture-Based Native Beef: Effects of Agronomic Practices and Pasture Management under Different Climate Change Scenarios. *Animals* 10, 1-17. <https://doi.org/10.3390/ani10030415>
- Grossi, G.**, Goglio, P., Vitali, A., Williams, A.G. 2019. Livestock and climate change: impact of livestock on climate and mitigation strategies, *Anim. Front.* 9:1, 69-76. <https://doi.org/10.1093/af/vfy034>
- Vitali, A., **Grossi, G.**, Martino, G., Bernabucci, U., Nardone, A., Lacetera, N. 2018. Carbon footprint of organic beef meat from farm to fork: a case study of short supply chain. *J. Sci. Food. Agric.* 98, 14. 5518-5524. <https://doi.org/10.1002/jsfa.9098>
- Chiriaco, M.V., **Grossi, G.**, Castaldi, S., Valentini, R. 2017. The contribution to climate change of the organic versus conventional wheat farming: A case study on the carbon footprint of wholemeal bread production in Italy. *Journal of Cleaner Production* 153, 309-319. <http://dx.doi.org/10.1016/j.jclepro.2017.03.111>

List of poster communications and oral presentations

- Grossi, G.**, Vitali, A., Bernabucci, U., Danieli P.P., Nardone, A., Lacetera, N. 2018. Comparing direct N₂O soil emissions and indirect N-fluxes from a Mediterranean agro-pastoral system using DNDC model and IPCC approach. Volume of abstracts. Claudia Heidecke, Hayden Montgomery, Hartmut Stalb, Lini Wollenberg (Eds.). Thünen Working Paper 103. p 113. <http://dx.doi.org/10.3220/WP1535709029000> [Poster presentation]
- Grossi, G.**, Vitali, A., Lacetera, N., Nardone, A., Bernabucci, U. 2017. Comparison between cow milk and soymilk combining nutritional values and greenhouse gas data. ASPA 22nd Congress Book of Abstracts, *Italian Journal of Animal Science.* 16: sup 1, p 177. <https://doi.org/10.1080/1828051X.2017.1330232> [Poster presentation]
- Grossi, G.**, Chiriaco, M., Castaldi, S., Valentini, R. 2016. Carbon footprint of snail meat: A case study from an Italian organic outdoor rearing. X Conference of the Italian LCA Network 2016. Life Cycle Thinking, sustainability and circular economy. Edited by di Arianna Dominici Loprieno, Simona Scalbi, Serena Righi. ENEA. ISBN 978-88-8286-333-3. p 211-220. [Oral presentation]



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List of conferences participations

- ✓ XVI Annual Conference “AISSA”. Climate change effects on agriculture, forest and rural area in Italy. Tuscia University, Italy. 14-15/02/2019.
- ✓ International Conference on Agricultural GHG emissions and Food Security - Connecting research to policy and practice. Berlin, Germany. 10-13/09/2018.
- ✓ Annual Meeting of the multi-stakeholder initiative Livestock Environmental Assessment and Performance (LEAP) Partnership. FAO Headquarter - Rome, Italy. 21/09/17
- ✓ 22nd Conference - Animal Science and Production Association (ASPA). Perugia, Italy. 13-16/06/2017

List of workshops participations

- ✓ Three-Country GASL Multi-Stakeholder Meeting on determining priorities and options in climate-resilient and low-carbon ruminants' production development. Bishkek - Kyrgyzstan, 10-11/02/2020. <http://www.fao.org/europe/events/detail-events/en/c/1259817/>
- ✓ Identifying low carbon and climate resilient pathways for the ruminant sector in the selected countries of Central Asia. Bishkek - Kyrgyzstan, 4/10/2019. <http://www.fao.org/europe/events/detail-events/en/c/1207982/>
- ✓ Identifying low carbon and climate resilient pathways for the ruminant sector in the selected countries of Central Asia. Tashkent - Uzbekistan, 02/10/2019. <http://www.fao.org/europe/events/detail-events/en/c/1207976/>
- ✓ Identifying low carbon and climate resilient pathways for the ruminant sector in the selected countries of Central Asia. Dushanbe - Tajikistan, 30/09/2019. <http://www.fao.org/europe/events/detail-events/en/c/1207966/>

List of seminars participations

- ✓ European Networking Meeting. Demonstration action to mitigate the carbon footprint of beef production in France, Ireland, Italy and Spain. Life Beef Carbon. Verona, Italy 01/02/2018.
- ✓ Climate change: the route from Kyoto to Paris. And now? Tuscia University, Italy 12/04/17
- ✓ Technological overview of Biogas production from bio-waste. Tuscia University, Italy. 22/02/17
- ✓ Technologies to reclaim contaminated soils: overview of the recent regulatory framework. Tuscia University, Italy. 15/02/17

List of seminars held

- ✓ Impact of livestock on climate. Tuscia University, Italy. 12; 18 and 19/12/19.
- ✓ Environmental product declarations: Eco-labelling of agri-food products. Tuscia University, Italy. 20/03/2019.
- ✓ Impact of livestock on climate. Tuscia University, Italy. 7; 8; 14 and 15/11/18.
- ✓ Environmental product declarations: Eco-labelling of agri-food products. Tuscia University, Italy. 11; 18/03/2018.
- ✓ Impact of livestock on climate. Tuscia University, Italy. 22; 29; 20 and 21/12/17.
- ✓ Application of the Life Cycle Assessment (LCA) methodology for the Carbon Footprint of Food. Faculty of Bioscience and Agro-Food and Environmental Technology. University of Teramo, Italy. 18/05/17.

Tutorship activities

- ✓ Co-relator of the M.Sc thesis in Agricultural Science and technology (LM-69) entitled: Verifica dell'effetto del management aziendale sulla capacità di mitigare i gas climalteranti nell'allevamento del bovino da latte. Academic year 2018/19. Candidate: Luca Alessi.

Participations in research projects

- ✓ Participation in the project: Identifying low carbon and climate resilient pathways for the ruminant sector in the selected countries of Central Asia. Tuscia University & Food and Agriculture Organization of the United Nations (FAO). http://www.fao.org/fileadmin/user_upload/reu/europe/documents/events2020/GLEAM/CN_en.pdf

Abroad internships

- ✓ School of Water, Energy and Environment (SWEE). Cranfield University, UK. Supervisors: Dr Pietro Goglio and Dr Adrian Williams. From 4/04/18 to 28/09/18.

List of courses participations

- ✓ Course: R programming for statistics and data science. Tuscia University. (25 hours)
- ✓ Course: English course for PhD students. (50 hours)