



## Valentina Bongiorno

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**Date of birth:** 15/11/1995 | **Nationality:** Italian | **Gender:** Female |

**Phone number:** (+39) 3391073038 (Mobile) | **Email address:**

[valentina.bongiorno1995@gmail.com](mailto:valentina.bongiorno1995@gmail.com) | **Address:** Turin, Italy (Work)

### ● ABOUT ME

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Do it well or do not do it at all.

Determinate, hardworking, precise, curious and creative, self-critical, adaptable, collaborative.

### ● EDUCATION

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- PhD STUDENT IN POULTRY WELFARE, NUTRITION AND CONSERVATION OF LOCAL CHICKEN BREEDS\*

Period: 10/2020 - 09/2023

Institute: Department of Veterinary Sciences, University of Turin, Italy

Field of study: use of insects as feed ingredient, growth performance, meat quality, animal welfare, gut health, biodiversity conservation of native chicken breeds, lab analyses.

**\*Currently concluding the PhD 3-years-path (September 30<sup>th</sup>, 2023), with defense planned at the end of 2023.**

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- QUALIFIED TO PRACTICE AS DOCTORS OF AGRONOMY AND FORESTRY

Period: 11/2019

Institute: Regional Federation of Agronomy and Forestry Doctors of Lombardia, Milan, Italy

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- MASTER'S DEGREE SCIENCE AND TECHNOLOGY OF ANIMAL PRODUCTION

Period: 10/2017 – 10/2019 Milan, Italy

Institute: University of Milan, Lodi, Italy

Thesis: "*In ovo* vaccination practice and chick embryo mortality"

Final grade 110/110 with honors

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- BACHELOR'S DEGREE IN BREEDING AND ANIMAL WELFARE

Period: 10/2014 - 10/2017

Institute: University of Milan, Milan, Italy

Thesis: "Calf management in dairy farms"

Final grade: 110/110 with honors.

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- HIGH SCHOOL DIPLOMA IN AGRICULTURE AND ANIMAL SCIENCES

Period: 09/2009 - 06/2014

Institute: I.I.S. G. Bonfantini, Novara, Italy

Final grade: 100/100

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### ● WORK EXPERIENCE

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- GOVERNMENT EMPLOYEE RISERIA CERIOTTI S.R.L.

Period: 02/2020 – 09/2020 (7 months)

Country: Novara (NO), Italy

Activities: traceability of food products, logistic planning, supplier relationship management, rice quality analyses, pest management.

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- INTERN: EMBRYO MORTALITY EVALUATION DUE TO *IN "OVO"* VACCINATION PRACTICE

Period: 05/2019 – 09/2019 (4 months)

Institute: Aglietto Natura S.R.L., Bianzè (VC), Italy

Activities: embryo mortality evaluation, unhatched eggs classification, data sampling and analysis, learning activity about *in "ovo"* vaccination practice.

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- INTERN: MANAGEMENT AND WELFARE OF DAIRY CALVES

Period: 12/2016 – 02/2017 (2 months)

Institute: Allevatori Conduttori Agricoli S.S., Bellinzago (NO), Italy

Activities: dairy calf care, cow management, milking activities.

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## ● ABROAD EXPERIENCE

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- Abroad training: ANIMAL BEHAVIOR TECHNIQUES AND APPLICATIONS IN POULTRY FIELD, RESEARCH ON REPRODUCTIVE BEHAVIOR OF PEKIN DUCKS

Period: 01/2023 – 06/2023 (4 months)

Institute: University of California Davis, Davis, California, United States

Website: <https://makagon.faculty.ucdavis.edu/members/>

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- Abroad training: INSECTS' MANAGEMENT AND RESEARCH (BLACK SOLDIER FLY, MEALWORM, CRICKET)

Period: 02/2022 - 05/2022 (3 months)

Institute: inagro vzw -Home research & advice in agriculture and horticulture - Ieperseweg, Rumbeke-Beitem, Belgium

Website <https://inagro.be/eng> 2022

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## ● THIRD MISSION

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- SCIENTIFIC DIVULGATION TO PRESERVE LOCAL CHICKEN BREEDS

Institute: University of Turin, Turin, Italy

Period: 2022

Activities: scientific divulgation, education and sensibilization of elementary and high school students, and breeders within sensorial paths and seminars, respectively, towards chicken evolution and the conservation of Piedmontese local chicken breeds.

Websites: <https://2022.terramadresalonedelgusto.com/>

<https://www.covarap.unito.it/il-progetto>

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## ● PUBLICATIONS

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- Articles on ISI Journals

- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E. E., Biasato I., Renna M., Gasco L., Bergagna S., Manenti I., Macchi E., Gai F., Schiavone A. 2023. Organic medium-growing chickens fed live black soldier fly larvae: a welfare improvement study. Submitted in July 2023 (*currently under review*) to Journal of Animal Physiology and Animal Nutrition. **Q1**
- Giorgino A., Raspa F., Valle E., Bergero D., Cavallini D., Gariglio M., **Bongiorno V.**, Bussone G., Bergagna S., Cimino F., Dellepiane L., Mancin G., Paratte R., de la Maza-Escolà V. S., Forte C. (2023). Effect of Dietary Organic Acids and Botanicals on Metabolic Status and Milk Parameters in Mid-Late Lactating Goats. *Animals*, 13(5), 797. <https://doi.org/10.3390/ani13050797>. **Q1**
- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E. E., Biasato I., Renna M., Forte C., Coudron C., Bergagna S., Gai F., Schiavone A. (2022b). Black soldier fly larvae used for environmental enrichment purposes: Can they affect the growth, slaughter performance, and blood chemistry of medium-growing chickens?. *Front. in Vet. Sci.*, 9, 1064017. <https://doi.org/10.3389/fvets.2022.1064017>. **Q1**
- **Bongiorno V.**, Schiavone A., Renna M., Sartore S., Soglia D., Sacchi P., Gariglio M., Castillo A., Mugnai, Forte C., Bianchi C., Mioletti S., Gasco L., Biasato I., Brugiapaglia A., Sirri F., Zampiga M., Gai F., Marzoni M., Cerolini S., and Dabbou S. (2022a). Carcass Yields and Meat Composition of Male and Female Italian Slow-Growing Chicken Breeds: Bianca di Saluzzo and Bionda Piemontese. *Animals*. 12:406. <https://doi.org/10.3390/ani12030406>. **Q1**

- articles on journals without impact factor

- Soglia D., Viola I., Nery J., Maione S., Sartore S., Lasagna E., Perini F., Gariglio M., **Bongiorno V.**, Moretti R., Chessa S., Sacchi P., Bergero D., Biasato I., Gasco L., Schiavone A. (2022). Nutrigenomics in animal feeding: digital gene expression analysis in poultry fed tenebrio molitor larvae meal. Poultry, 1, 14-29. <https://doi.org/10.3390/poultry1010003>.

- abstracts of international congresses

- Biasato I., Bellezza Oddon S., **Bongiorno V.**, Dotta E., Gasco L., Schiavone A., Brugiapaglia A. Live insect larvae and meat quality in broiler chickens: can the different cooking methods influence meat proximate composition? INSECTA Magdeburg (Germany), September 13-14, 2023 (*oral presentation by Biasato*).
- Biasato I., Gariglio M., Fiorilla E., **Bongiorno V.**, Cappone E. E., Bellezza Oddon S., Gasco L., Schiavone A. Does the mixture of *Hermetia illucens* and *Tenebrio molitor* meals lead to improved performance in broiler chickens? 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP), Lyon (France), August 26-September 1, 2023 (*oral presentation by Biasato*).
- Zambotto V., Fiorilla E., **Bongiorno V.**, Cappone E. E., Gariglio M., Gasco L., Daniele G. M., Cianciabella M., Schiavone A., Gai F., Predieri S. Sensory evaluation of breast meat from bianca di saluzzo chicken supplemented with live and dried black soldier fly larvae. 69<sup>th</sup> International Congress of Meat Science and Technology (ICOMST), Padova (Italy), August 20-25, 2023 (*poster presentation*).
- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E.E., Biasato I., Bergagna S., Gai F., Schiavone A. Could the live black soldier fly larvae supplementation affect the welfare of medium-growth chickens? 11<sup>th</sup> European Symposium of Poultry Welfare (ESPW), Prague, Czech Republic, June 26-29, 2023 (*oral presentation by me*).
- Fiorilla E., Gariglio M., **Bongiorno V.**, Cappone E. E., Zambotto V., Cortes J., Coudron C., biasato I., Gai F., Schiavone A. Growth and slaughtering performance of a local chicken breed fed dried and live black soldier fly larvae as environmental enrichment. 23<sup>rd</sup> European Symposium of Poultry Nutrition (ESPN), Rimini (Italy), June 21-24, 2023 (*poster presentation*).
- Cappone E., Soglia D., Sartore S., Zambotto V., Maione S., Profiti M., **Bongiorno V.**, Gariglio M., Cerolini S., Schiavone A. Millefiori Piemontese, genetic characterization of an endangered local chicken breed. 25<sup>th</sup> Congress of the Animal Production Science Society (ASPA), Monopoli, Bari (Italy), June 13-16, 2023 (*poster presentation*).
- Srikanthithasan K., Gariglio M., Fiorilla E., Giorgino A., Dellepiane L., Diaz Vicuna E., Sola D., **Bongiorno V.**, Bergagna S., Schiavone A., Raspa F., Profiti M., Stoppani N., Soglia D., Forte C. Effects of bakery by-products inclusion in the broiler's diet on growth performance, carcass yield and gene expression profiling. 25<sup>th</sup> Congress of the Animal Production Science Society (ASPA), Monopoli, Bari (Italy), June 13-16, 2023 (*poster presentation*).
- Zambotto V., Soglia D., Dabbou S., Gariglio M., Cappone E. E., Sartore S., **Bongiorno V.**, Gai F., Schiavone A. COVARAP project, valorization and conservation of Piedmont local chicken. Egg production performance in different farms. 25<sup>th</sup> Congress of the Animal Production Science Society (ASPA), Monopoli, Bari (Italy), June 13-16, 2023 (*poster presentation*).
- Battelli G., **Bongiorno V.**, Gai F., Zambotto V., Gariglio M., Gasco L., Schiavone A., Biasato I., Ferrocino I. Cecal volatilome and microbiota profile of organic chickens supplemented with live black soldier fly larvae. INSECTA. Gießen (Germany), September 14-16, 2022 (*poster presentation*).
- Colombino E., Perotti M., Bellezza Oddon S., Biasato I., **Bongiorno V.**, Gariglio M., Schiavone A., Renna M., Gasco L., Capucchio M.T., Zaniboni L. Effects of *Hermetia illucens* live larvae as environmental enrichment on poultry gut health. INSECTA. Gießen (Germany), September 14-16, 2022 (*poster presentation*).
- Giorgino A., Raspa F., Valle E., Bergero D., Cavallini D., Gariglio M., **Bongiorno V.**, Bussone G., Bergagna S., Pagliasso G., Dellepiane L., Mancin G., Paratte R., Sáinz de la Maza-Escolà V., Forte C. Impact of dietary organic acids and botanicals on milk and biochemical parameters in late-lactation goats. 26<sup>th</sup> Congress of the European Society of Veterinary and Comparative Nutrition (ESVCN), Basel (Switzerland), September 6-8, 2022 (*oral presentation by Giorgino*).
- Biasato I., Bellezza Oddon S., **Bongiorno V.**, Dotta E., Gasco L., Schiavone A., Brugiapaglia A. Can the different cooking methods affect the meat proximate composition in broiler chickens fed live insect larvae as environmental enrichment? 26<sup>th</sup> World Poultry Congress (WPC), Paris (France), August 7-11, 2022 (*poster presentation*).
- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E.E., Biasato I., Bellezza Oddon S., Soglia D., Renna M., Gasco L., Gai F., Forte C., Schiavone A. Black Soldier Fly live larvae as environmental enrichment in medium-growing chicken diet. 26<sup>th</sup> World Poultry Congress (WPC), Paris (France), August 7-11, 2022 (*poster presentation*).

- Gariglio M., Dabbou S., Biasato I., Meneguz M., Bellezza Oddon S., **Bongiorno V.**, Renna M., Gai F., Gasco L., and Schiavone A. Live insect larvae as environmental enrichment in muscovy duck: effects on welfare and blood traits. 26<sup>th</sup> World Poultry Congress (WPC), Paris (France), August 7-11, 2022 (*poster presentation*).
- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E.E., Biasato I., Bellezza Oddon S., Kalkan N., Soglia D., Renna M., Gasco L., Coudron C., Gai F., Forte C., Schiavone A. Slaughtering performance of medium-growing chicken fed black soldier fly live larvae. Insects to Feed the World Congress (IFW), Québec (Canada), June 10-16, 2022 (*oral presentation by me*).
- Biasato I., Bellezza Oddon S., Loiotine Z., Resconi A., Caimi C., **Bongiorno V.**, and Gasco L. Brewing by-products as rearing substrates for black soldier fly: effects on larval growth and conversion efficiency. Insects to Feed the World Congress (IFW), Québec (Canada), June 10-16, 2022 (*oral presentation by Biasato*).
- Colombino E., Perotti M., Bellezza Oddon S., Biasato I., **Bongiorno V.**, Gariglio M., Schiavone A., Renna M., Gasco L., Capucchio M. T., L. Zaniboni L. Effects of Hermetia illucens live larvae as environmental enrichment on poultry gut health. Insects to Feed the World Congress (IFW), Québec (Canada), June 10-16, 2022 (*poster presentation*).
- Zambotto V., **Bongiorno V.**, Gariglio M., Gasco L., Daniele G.M., Cianciabella M., Schiavone A., Gai F., Coudron C., Predieri S. Sensorial evaluation of breast of chicken reared in organic system and supplemented with live black soldier fly larvae. Insects to Feed the World Congress (IFW), Québec (Canada), June 10-16, 2022 (*poster presentation*).
- **Bongiorno V.**, Gariglio M., Zambotto V., Cappone E.E., Biasato I., Bellezza Oddon S., Gaddés M., Soglia D., Renna M., Gasco L., Gai F., Forte C., Coudron C., Bergagna S., Dellepiane L., Pagliasso G., Schiavone A. Blood chemistry of medium-growing male and female chickens supplemented black soldier fly live larvae. 7<sup>th</sup> Mediterranean Poultry Summit (MPS), Córdoba (Spain), June 8–10, 2022 (*poster presentation*).
- Zaniboni L., Renna M., Schiavone A., Cerolini S., Bellagamba F., **Bongiorno V.**, Capucchio M.T., Dinuccio E., Ferrocino I., Nucera D.M., Bellezza Oddon S., Tedeschi G., Gasco L. Circular economy: live larvae recycling organic waste for rural poultry (CELLOW-FeeP). 24<sup>th</sup> Congress of the Animal Production Science Society (ASPA), Padova, (Italy), September 21-24, 2021 (*poster presentation*).
- Gasco L., Schiavone A., Cerolini S., Bellagamba F., **Bongiorno V.**, Capucchio M.T., Dinuccio E., Ferrocino I., Nucera D.M., Bella Oddon S., Renna M., Biasato I., Tedeschi G., Zaniboni L. CELLOW-FeeP Project-Circular Economic: Live Larvae recycling Organic Waste for rural Poultry. 72<sup>nd</sup> Annual Meeting of the European Federation of Animal Science (EAAP), Davos (Switzerland), August 30 - September 3, 2021 (*poster presentation*).

- abstracts of national congresses

- Srikanthithasan K., Castrica M., Balzaretto C. M., Gariglio M., Fiorilla E., **Bongiorno V.**, Schiavone A., Forte C., Miraglia D. Effect of bakery by-products inclusion in broiler diet on microbiological quality and physicochemical characteristics of meat. 76<sup>th</sup> Congress of the Società Italiana delle Scienze Veterinarie (SISVET), Bari (Italy), June 21-23, 2023 (*oral presentation by Srikanthithasan*).
- **Bongiorno V.**, Castellina C., Ferrazzi V., Grilli G. Incidenza della mortalità embrionale in uova da cova sottoposte a vaccinazione "in ovo". 59° convegno annuale e 5° simposio scientifico della Società Italiana di Patologia Aviaria (SIPA). Online, November 12-18, 2020 (*oral presentation by me*).

## LANGUAGE SKILLS

Mother tongue(s): ITALIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading Spoken	production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## **DIGITAL SKILLS**

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Microsoft Office | Plurimix | IBM - SPSS Statistics | BORIS Software

## **ADDITIONAL INFORMATION**

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Driving Licence: B

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