

Alessandro Nota

- > **Year of birth:** 1998
- > **Nationality:** Italian
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Main research topics:
population biology, mitochondrial
DNA, biological invasions, citizen
science, ecotoxicology,
micronucleus test

EDUCATION

11/2024 – Ongoing

PhD in Veterinary Sciences for Animal Health and Food Safety

University of Turin

Address Department of Veterinary Sciences, largo Paolo Braccini, 2, 10095, Grugliasco (TO), Italia

09/2023 – 09/2024 Oxford, United Kingdom

PGCert in Ecological Survey Techniques

University of Oxford

Address Department for Continuing Education, Rewley House, 1 Wellington Square, OX1 2JA, Oxford, United Kingdom

Final grade Distinction

09/2021 – 07/2023; Pavia, Italy

Master's Degree in Experimental and Applied Biology, curriculum "Environmental Biology and Biodiversity"

University of Pavia

Address Department of Biology and Biotechnology "Lazzaro Spallanzani", via Ferrata 9, 27100, Pavia, Italia

Final grade 110/110 with honours ("lode ed encomio")

09/2018 – 07/2021; Turin, Italy

Bachelor's Degree in Biological Sciences

University of Turin

Address Department of Life Sciences and Systems Biology, via Accademia Albertina 13, 10123, Turin, Italy

Final grade 110/110 with honours

WORK EXPERIENCE

01/2024 – 10/2024; Pavia, Italy

Research grant ("assegno di ricerca") at the University of Pavia: "Analysis of mitogenome sequence variation in animal populations"

Address Department of Biology and Biotechnology "Lazzaro Spallanzani", via Ferrata 9, 27100, Pavia, Italia

LANGUAGES

Mother tongue: **Italian**

English:

Listening C1 (proficient user)

Reading C1 (proficient user)

Speaking C1 (proficient user)

Writing C1 (proficient user)

SCIENTIFIC PUBLICATIONS

1 – Tiralongo, F., **Nota**, A., Mancini, E., & Musco, L. Wounds inflicted on humans by the white seabream (*Diplodus sargus*): first scientific

report of aggressive behavior. *Annales: Series Historia Naturalis*, 34(2), 291-298. <https://doi.org/10.19233/ASHN.2024.33>

2 – Tiralongo, F., **Nota, A.***, Pasquale, C. D., Muccio, E., & Felici, A. (2024). Trophic Interactions of *Callinectes sapidus* (Blue Crab) in Vendicari Nature Reserve (Central Mediterranean, Ionian Sea) and First Record of *Penaeus aztecus* (Brown Shrimp). *Diversity*, 16(12), 724. <https://doi.org/10.3390/d16120724>

*=corresponding author

3 – Santovito, A., Lambertini, M., & **Nota, A.** (2024). In Vitro and In Vivo Genotoxicity of Polystyrene Microplastics: Evaluation of a Possible Synergistic Action with Bisphenol A. *Journal of Xenobiotics*, 14(4), 1415-1431. <https://doi.org/10.3390/jox14040079>

4 – Santovito, A.** , **Nota, A.****, Pastorino, P., Gendusa, C., Mirone, E., Prearo, M., Schleicherová, D. (2024). In vitro genomic damage caused by glyphosate and its metabolite AMPA. *Chemosphere*, 363, 142888. <https://doi.org/10.1016/j.chemosphere.2024.142888>

**=both authors equally contributed to the work

5 – **Nota, A.***, Tiralongo, F., Santovito, A., Torroni, A., Olivieri, A. (2024). Chronicles of *Kyphosus* in the Mediterranean Sea: new records and complete mitogenomes support the scenario of one expanding fish species. *Frontiers in Marine Science*, 11, 1411111. <https://doi.org/10.3389/fmars.2024.1411111>

*=corresponding author

6 – **Nota, A.**, Bertolino, S., Tiralongo, F., Santovito, A. (2024). Adaptation to bioinvasions: when does it occur? *Global Change Biology*, 30(6), e17362. <https://doi.org/10.1111/GCB.17362>

7 – Santovito, A., Lambertini, M., Schleicherová, D., Mirone, E., **Nota, A.*** (2024). Cellular and genomic damage induced by the herbicide Glufosinate-ammonium: an in vitro and in vivo approach. *Cells*, 13(11), 909. <https://doi.org/10.3390/cells13110909>

*=corresponding author

8 – Schleicherová, D., Pastorino, P., Pappalardo, A., **Nota, A.**, Gendusa, C., Mirone, E., Prearo, M., Santovito, A. (2024). Genotoxicological and physiological effects of glyphosate and its metabolite, aminomethylphosphonic acid, on the freshwater invertebrate *Lymnaea stagnalis*. *Aquatic toxicology*, 271, 106940. <https://doi.org/10.1016/j.aquatox.2024.106940>.

9 – **Nota, A.***, Lambertini, M., Santovito, A. (2024). Reduced levels of genomic damage in young martial artists. *Journal of Biological Research - Bollettino Della Società Italiana Di Biologia Sperimentale*. <https://doi.org/10.4081/jbr.2024.11678>

*=corresponding author

10 – Azzola, A., Bianchi, C.N., Merotto, L., **Nota, A.**, Tiralongo, F., Morri, C., Oprandi, A. (2024). The changing biogeography of the

Ligurian Sea: seawater warming and further records of southern species. *Diversity*, 16(3), 159. <https://doi.org/10.3390/d16030159>

11 – **Nota, A.***, Santovito, A., Gattelli, R., Tiralongo, F. (2024). From fresh to salt waters: first reports of the red swamp crayfish *Procambarus clarkii* (Girard, 1852) in Mediterranean marine waters. *Hydrobiology*, 3, 1-10. <https://doi.org/10.3390/hydrobiology3010001>

*=corresponding author

12 – Santovito, A., Saracco, M., Scarfò, M., **Nota, A.**, & Bertolino, S. (2024). Purebred dogs show higher levels of genomic damage compared to mixed breed dogs. *Mammalian genome*, 35, 90-98. <https://doi.org/10.1007/s00335-023-10020-5>

13 – Santovito, A., Pappalardo, A., **Nota, A.**, Prearo, M., & Schleicherová, D. (2023). *Lymnaea stagnalis* and *Ophryotrocha diadema* as model organisms for studying genotoxicological and physiological effects of benzophenone-3. *Toxics*, 11(10), 827. <https://doi.org/10.3390/toxics11100827>

14 – Santovito, A., Agostinovna Nigretti, A., Sellitri, A., Scarfò, M., & **Nota, A.** (2023). Regular sport activity is able to reduce the level of genomic damage. *Biology*, 12(8), 1110. <https://doi.org/10.3390/biology12081110>

15 – **Nota, A.***, Ignoto, S., Bertolino, S., & Tiralongo, F. (2023). First record of *Caranx crysos* (Mitchill, 1815) in the Ligurian Sea (northwestern Mediterranean Sea) suggests northward expansion of the species. *Annales: Series Historia Naturalis*, 33(1), 55-60. <https://doi.org/10.19233/ASHN.2023.09>

*=corresponding author

16 – Lazic, T., **Nota, A.*,****, Amoruso, V., Tiralongo, F., Pierri, C., & Gristina, M. (2022). Assessing seahorses' distribution along the Italian coasts through citizen science and social media platforms. 2022 *IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea)*, 554-558.

<https://doi.org/10.1109/MetroSea55331.2022.9950975>

*=corresponding author

**=both authors equally contributed to the work

CONFERENCES AND SEMINARS

18/09/2024 – 20/09/2024

Poster at national conference: “Tracing the evolutionary history of *Ixodes* ticks in the context of environmental change: a mitogenome perspective”, XVII FISV Congress, Federazione Italiana Scienze della Vita, Padua, Italy.

11/09/2024 – 14/09/2024

Oral presentation at national conference: “The AlienFish project: integrating citizen science, morphological and molecular approaches to the study of Mediterranean bioinvasions”, 83° Congresso UZI, Unione Zoologica Italiana, Pisa, Italy.

15/07/2024 – 16/07/2024

Keynote speaker at international conference: "Monitoring biological invasions in the Mediterranean: citizen science, morphological, and molecular analyses", IyrCIS (International young researchers Conference on Invasive Species), University of Vigo, online.

30/05/2024

120 minutes presentation for the course "Anthropology and Genetics" (Bachelor's Degree in Natural Sciences, lectures of Dr. Santovito): "Adaptation to bioinvasions: when and how does it occur?", University of Turin, Turin, Italy.

12/06/2023 – 15/06/2023

Poster at national conference: "Occurrence of *Octopus vulgaris* Cuvier, 1797, *Squilla mantis* (Linnaeus, 1758) and *Parablennius tentacularis* (Brünnich, 1768) from unusual depths", 52° Congresso SIBM, Società Italiana di Biologia Marina, Messina, Italy.

12/06/2023

60 minutes presentation for the course "Anthropology and Genetics" (Bachelor's Degree in Natural Sciences, lectures of Dr. Santovito): "The genetic paradox of biological invasions: genetic and ecological solutions", University of Turin, Turin, Italy.

22/05/2023 – 23/05/2023

Video presentation at international conference: "The AlienFish project: monitoring non-indigenous fish species along Italian coasts", IyrCIS (International young researchers Conference on Invasive Species), University of Vigo, online.

1st place in the category of Oral Communications

03/10/2022 – 05/10/2022

Oral presentation at international conference: "Assessing seahorses' distribution along the Italian coasts through citizen science and social media platforms", IEEE MetroSea 2022, IEEE, Milazzo (ME), Italy.

08/06/2022 – 11/06/2022

Poster at national conference: "Adaptation to invasions: when does it occur?", XII Congresso Italiano di Teriologia, Associazione Teriologica Italiana (ATIt), Cogne (AO), Italy.

TEACHING EXPERIENCE

10/2024

25 hours of teaching support for the course "Cytogenetics and Genotoxicology" (lectures of Dr. Santovito), University of Torino, Torino, Italy. (paid activity)

DIGITAL SKILLS

Basic knowledge of the following programs:

Statistics:

-R v. 4.3.2

-GraphPad Prism 8

Spatial data:

-QGIS v. 3.28.10

Molecular analyses:

-MEGA11

-Sequencher v. 4.9

-Geneious v. 8.1.9

PROJECTS

02/2020 - ongoing

Core member of the AlienFish Project:

Ente Fauna Marina Mediterranea, scientific organization for research and conservation of marine biodiversity, Avola, Italy.

The AlienFish project aims to study the distribution of non-native, rare and thermophilic fish species in Italian waters, mainly through a citizen science approach. The project is included in the EASIN (European Alien Species Information Network).

DRIVING LICENCES

B1, B

Date:

08/02/2025

Signed:

