

CURRICULUM VITAE

INFORMAZIONI PERSONALI

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Struttura Semplice di
assegnazione
Struttura Complessa

Genetica e Genomica
Biotecnologie

Attuali aree di ricerca

Biology, Environmental sciences, Infectious Diseases, Zoology

ESPERIENZE LAVORATIVE

- Periodo
- Datore di lavoro
- Settore / Struttura
- Tipologia di contratto e Profilo
- Principali attività e responsabilità

01/08/2024 – TUTT'ORA
ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE LIGURIA E VALLE D'AOSTA
VIA BOLOGNA 148 - 10154 TORINO - ITALY
S.S. GENETICA E GENOMICA
CONTRATTO A T.D. - RICERCATORE SANITARIO (Legge n. 205 del 27 dicembre 2017)
Attività di ricerca connessa con i progetti di ricerca in corso

- Periodo
- Datore di lavoro
- Settore
- Tipologia di contratto
- Principali attività e responsabilità

01/02/2022 – 31/07/2024
ASOCIACIÓN HERPETOLÓGICA ESPAÑOLA, APARTADO DE CORREOS 191, 28911 LEGANÉS, MADRID (SPAIN)
ZOOLOGIA (ERPETOLOGIA)
CONTRATTO A T.D.
Field monitoring per le malattie infettive emergenti di anfibi e rettili, data analysis e paper writing nell'ambito del progetto EFSA (European Food Safety Authority):
"Amphideb - Development of biologically-based models in environmental risk assessment to assess the impact of chemicals and pathogenic fungi on amphibian and reptile populations"

- Periodo
- Datore di lavoro
- Settore
- Tipologia di contratto
- Principali attività e responsabilità

01/02/2021 – 31/07/2024
UNITÀ DI DERMATOLOGIA E COSMETOLOGIA - I.R.C.C.S. OSPEDALE SAN RAFFAELE
VIA OLGETTINA 60, 20132, MILANO
DERMATOLOGIA
CONTRATTO DI COLLABORAZIONE COORDINATA E CONTINUATIVA
Medical writing, data management e gestione della microscopia confocale a riflettanza in-vivo.

- Periodo
- Datore di lavoro
- Settore
- Principali attività e responsabilità

15/09/2013 – 30/06/2021
Scuola Secondaria di Primo grado
Istruzione Secondaria di Primo grado
Insegnante di Matematica e Scienze (classe A-28)

TITOLI DI STUDIO

TRAINING PROFESSIONALE

- Periodo 2022 - 2026
- Ateneo Ghent University
 - Tesi From taxonomy to emerging infectious diseases: towards holistic approaches for the conservation of wild snakes in Italy
- Titolo Dottorato di Ricerca in Scienze Veterinarie*
*Equipollenza del titolo in Italia ottenuta presso l'Università degli Studi di Padova, con protocollo datato 20/04/2026

- Periodo 2009 - 2011
- Ateneo Università degli Studi di Milano
 - Tesi Il gambero della Louisiana nel Parco Agricolo Sud Milano e la Comunicazione Didattica come strumento di limitazione della sua diffusione e di salvaguardia delle aree naturali
- Titolo Laurea Magistrale in Scienze Naturali
- Classificazione nazionale (codice) LM60

- Periodo 2005-2009
- Ateneo Università degli Studi di Milano
 - Tesi Analisi di metapopolazioni di *Rana latastei* nel Parco del Ticino
- Titolo Laurea in Scienze Naturali
- Classificazione nazionale (codice) L32

LINGUE STRANIERE

INGLESE

Ascolto: C1, Lettura: C1, Interazione: C1, Produzione orale: C1, Scritto: C1

Astuto, M.C., **Di Nicola, M.R.**, Tarazona, J.V., Rortais, A., Devos, Y., Liem, A.K.D., Kass, G.E.N., Bastaki, M., Schoonjans, R., Maggiore, A., Charles, S., Ratier, A., Lopes, C., Gestin, O., Robinson, T., Williams, A., Kramer, N., Carnesecchi, E., Dorne, J.-L.C.M., 2022. In Silico Methods for Environmental Risk Assessment: Principles, Tiered Approaches, Applications, and Future Perspectives, in: In Silico Methods for Predicting Drug Toxicity, Methods in Molecular Biology. Springer US, New York, NY, pp. 589–636. https://doi.org/10.1007/978-1-0716-1960-5_23

Avallone, G., Cavallo, F., Tancredi, A., Maronese, C.A., Bertello, M., Fraghì, A., Conforti, C., Calabrese, G., **Di Nicola, M.R.**, Oddenino, G.A., Gargiulo, L., Gori, N., Loi, C., Romita, P., Piras, V., Bonzano, L., Tolino, E., Paolino, G., Napolitano, M., Patruno, C., Nettis, E., Ferreli, C., Rocuzzo, G., Marozio, L., Silvio, M., Russo, F., Bettolini, L., Gallo, R., Mercuri, S.R., Mastorino, L., Rossi, M., Zalaudek, I., Argenziano, G., Trave, I., Costanzo, A., Chiricozzi, A., Gurioli, C., Foti, C., Potenza, C., Ferrucci, S.M., Balato, A., Parodi, A., Marzano, A.V., Ortoncelli, M., Ribero, S., Quaglino, P., 2024. Association between maternal dupilumab exposure and pregnancy outcomes in patients with moderate-to-severe atopic dermatitis: A nationwide retrospective cohort study. Acad Dermatol Venereol jdv.19794. <https://doi.org/10.1111/jdv.19794>

Avella, I., Damm, M., **Di Nicola, M.R.**, Dresler, J., İğci, N., Kariş, M., Kazemi, S.M., Kreuels, B., Paolino, G., Sarigiannis, Y., Vilcinskas, A., Wüster, W., Lüddecke, T., 2025. The biology and toxinology of blunt-nosed vipers. npj biodivers 4, 21. <https://doi.org/10.1038/s44185-025-00090-w>

Avella, I., Damm, M., Schulte, L., Smółka, P.A., Uhrig, L., Cabrera-Orefice, A., Eichberg, J., Harges, K., Hurka, S., Lindner, T., Daftsios, T., **Di Nicola, M.R.**, Wüster, W., Lüddecke, T., 2026. Ontogenetic variation in Milos viper (*Macrovipera schweizeri*) venom composition and biochemical activity. Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology 308, 110601. <https://doi.org/10.1016/j.cbpc.2026.110601>

Avella, I., Savini, F., **Di Nicola, M.R.**, 2024. A prolonged bite by a Western Whip Snake, *Hierophis viridiflavus carbonarius* (Bonaparte 1833) (Serpentes, Colubridae), resulting in pronounced local oedema. RandA 31, e21448. <https://doi.org/10.17161/randa.v31i1.21448>

Bianchi, V.G., **Di Nicola, M.R.**, Cerullo, A., Paolino, G., Mercuri, S.R., 2025. Prospective Evaluation of a Thermogenic Topical Cream-Gel Containing Caffeine, Genistein, and Botanical Extracts for the Treatment of Moderate to Severe Cellulite. Cosmetics 12, 155. <https://doi.org/10.3390/cosmetics12040155>

Bruni, G., Di Mitri, A., Grecchi, L., **Di Nicola, M.R.**, 2020. “Translucent” colour aberrations in *Bufo balearicus* (Anura: Bufonidae) and *Hyla perrini* (Anura: Hylidae) from Italy. Herpetology Notes 13, 57–60.

Bruni, G., **Di Nicola, M.R.**, Banfi, F., Faraone, F.P., 2022. Distribution and

characterization of melanism in grass snakes from Italy. *Naturalista Siciliano* 46, 41–48.
<https://doi.org/10.5281/zenodo.6784679>

Cattaneo, I., Kalkan, A.D., **Di Nicola, M.R.**, Dujardin, B., Levorato, S., Mohimont, L., Nathanail, A.V., Carnessechi, E., Astuto, M.C., Tarazona, J.V., Kass, G.E.N., Liem, A.K.D., Robinson, T., Manini, P., Hogstrand, C., Price, P.S., Dorne, J.L.C.M., 2023. Risk Assessment of Combined Exposure to Multiple Chemicals at the European Food Safety Authority: Principles, Guidance Documents, Applications and Future Challenges. *Toxins* 15, 40. <https://doi.org/10.3390/toxins15010040>

Cauli, F., **Di Nicola, M.R.**, Audisio, P., Petretti, F., Faraone, F.P., 2022. Feeding habits of the Short-toed Eagle *Circus gallicus* during the breeding period in Central Italy. *Avocetta* 46, 1. <https://doi.org/10.30456/AVO.2022104>

Cerullo, A., **Di Nicola, M.R.**, Scilimati, N., Bertoletti, A., Pollicino, G., Moroni, B., Pepe, M., Nannarone, S., Gialletti, R., Passamonti, F., 2025. Intra- and Post-Operative Bacteriological Surveys of Surgical Site in Horses: A Single-Centre Study. *Microorganisms* 13, 928. <https://doi.org/10.3390/microorganisms13040928>

Cerullo, A., Scilimati, N., **Di Nicola, M.R.**, Colla, L., Mazza, S., Bertoletti, A., Nannarone, S., Gialletti, R., 2026. Short- and Long-Term Outcomes in Horses Following Laparoscopic Nephrosplenic Space Ablation. *Veterinary Sciences* 13, 196. <https://doi.org/10.3390/vetsci13020196>

Colla, L., **Di Nicola, M.R.**, 2026. Habitat connectivity analysis of the endangered Sardinian grass snake reveals priority areas for conservation. *Biogeographia – The Journal of Integrative Biogeography* 41, a063. <https://doi.org/10.21426/B6.61984>

Colla, L., Di Noia, L., Poli, B., Ardenghi, A., Natucci, L., Caraffini, E., Nonnis Marzano, F., Massolo, A., **Di Nicola, M.R.**, 2026. Modelling Range Trends of the Alpine Ibex Under Climate Change Scenarios. *Journal of Biogeography* 53, e70311. <https://doi.org/10.1111/jbi.70311>

Colla, L., Dolamulla Hewa Kankanamge, I., Storniolo, F., **Di Nicola, M.R.**, 2025a. Distribution and habitat suitability of *Zamenis longissimus* exhibiting dark colourations, with a new record from Northwestern Italy. *Biogeographia – The Journal of Integrative Biogeography* 40. <https://doi.org/10.21426/B6.50587>

Colla, L., Di Noia, L., Poli, B., Ardenghi, A., Natucci, L., Caraffini, E., Nonnis Marzano, F., Massolo, A., **Di Nicola, M.R.**, 2026. Modelling Range Trends of the Alpine Ibex Under Climate Change Scenarios. *Journal of Biogeography* 53, e70311. <https://doi.org/10.1111/jbi.70311>

Colla, L., Lenci, S., Nobile, F., **Di Nicola, M.R.**, 2026. A pseudoscorpion clinging to a cave salamander: phoresy or failed predation? *acta ethologica* 29, 34.

Colla, L., Minuti, G., Esposito, G., Laddaga, L., **Di Nicola, M.R.**, 2025b. The fate of melanistic adders in the Alps: distribution, niche modelling and future habitat suitability under climate change. *Journal of Vertebrate Biology* 74. <https://doi.org/10.25225/jvb.25088>

Colombo, M., **Di Nicola, M.R.**, 2017. Down in the funnel: re-confirming the presence of *Stegodyphus lineatus* (Latreille, 1817) (Araneae: Eresidae) in Sicily, with a lizard interaction and ecological notes. *Revista ibérica de arcnología* 31, 117–120.

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Colla, L., Di Noia, L., Poli, B., Ardenghi, A., Natucci, L., Caraffini, E., Nonnis Marzano, F., Massolo, A., **Di Nicola, M.R.**, 2026. Modelling Range Trends of the Alpine Ibex Under Climate Change Scenarios. *Journal of Biogeography* 53, e70311. <https://doi.org/10.1111/jbi.70311>

Colla, L., Lenci, S., Nobile, F., **Di Nicola, M.R.**, 2026. A pseudoscorpion clinging to a cave salamander: phoresy or failed predation? *acta ethologica* 29, 34. <https://doi.org/10.1007/s10211-026-00509-y>

Di Filippo, M., Paolino, G., **Di Nicola, M.R.**, Kiss, N., Bánvölgyi, A., Bortone, G., Nisticò, S.P., Zampini, E., Pellacani, G., Cantisani, C., 2026. Sulforaphane as a Photoprotective Agent Against UV-Induced Skin Damage and Carcinogenesis: A Scoping Review. *Journal of Personalized Medicine* 16, 319. <https://doi.org/10.3390/jpm16060319>

Di Nicola, M.R., 2019. A revised dichotomous key to the snakes of Italy (Reptilia, Squamata, Serpentes), according to recent systematic updates. *Zootaxa* 4686. <https://doi.org/10.11646/zootaxa.4686.2.10>

Di Nicola, M.R., Beltramo, C., Pastorino, P., Esposito, G., Cerullo, A., Meletiadiis, A., Prearo, M., Peletto, S., Acutis, P.L., 2026a. Detection of CMTV-like ranavirus following a *Rana temporaria* mass mortality event in a northern Italian alpine lake. *Acta Herpetologica* 21, 49–62. https://doi.org/10.36253/a_h-18382

Di Nicola, M.R., Bruni, G., 2020. A case of active predation of *Natrix helvetica* (Serpentes: Colubridae) on *Sturnus vulgaris* (Passeriformes: Sturnidae). *Herpetology Notes* 13, 461–462.

Di Nicola, M.R., Cattaneo, I., Nathanail, A.V., Carnesecchi, E., Astuto, M.C., Steinbach, M., Williams, A.J., Charles, S., Gestin, O., Lopes, C., Lamonica, D., Tarazona, J.V., Dorne, J.L.C.M., 2023a. The use of new approach methodologies for the environmental risk

assessment of food and feed chemicals. *Current Opinion in Environmental Science & Health* 31, 100416. <https://doi.org/10.1016/j.coesh.2022.100416>

Di Nicola, M.R., Chiara, R., Colnaghi, S., Valvo, M.L., Faraone, F.P., 2023b. First documented cases of defensive biting behaviour towards humans in the Italian Barred Grass Snake *Natrix helvetica sicula* (Cuvier, 1829). *Herpetology Notes* 16, 229–232.

Di Nicola, M.R., Colla, L., Mezzadri, S., Cerullo, A., Esposito, G., Pastorino, P., Paolino, G., Acutis, P., Marini, D., Faraone, F.P., 2025a. Reproductive Traits and Hatchling Characteristics of the Endemic Sardinian Grass Snake (*Natrix helvetica cetti*): First Field Data, with Screening for *Ophidiomyces ophidiicola*. *Animals* 15, 418. <https://doi.org/10.3390/ani15030418>

Di Nicola, M.R., Colla, L., Mulder, K.P., Storniolo, F., Verbrugghe, E., Esposito, G., Grasso, D.A., Pasmans, F., Martel, A., 2025b. Ophidiomycosis Prevalence and Disease Ecology in a *Natrix tessellata* (Laurenti, 1768) Population From Northern Italy. *J Exp Zool Pt A* jez.70061. <https://doi.org/10.1002/jez.70061>

Di Nicola, M.R., Colombo, M., Kass, G.E.N., Paolino, G., Strong, P.N., Dorne, J.L.C.M., 2024. Scorpions: Taxonomy, anatomy, medical relevance, venom composition, pharmacology, toxicology and clinical management, in: *Encyclopedia of Toxicology*. Elsevier, pp. 445–456. <https://doi.org/10.1016/B978-0-12-824315-2.00209-8>

Di Nicola, M.R., Colombo, M., Manica, M., Iversen, D.L.N., Spada, M., Laddaga, L., 2020a. Nuove osservazioni di *Coronella girondica* (Daudin, 1803)(Serpentes, Colubridae) per la Lombardia settentrionale nelle province di Varese e Brescia. *Rivista del Museo Civico di Scienze Naturali “Enrico Caffi* 33, 9–14.

Di Nicola, M.R., Colombo, M., Russo, F., 2022a. First record of European leaf-toed gecko *Euleptes europaea* (Gené, 1839) (Squamata, Sphaerodactylidae) in Campania (Italy). *Rivista del Museo Civico di Scienze Naturali “Enrico Caffi”* 35, 79–82.

Di Nicola, M.R., Coppari, L., Notomista, T., Marini, D., 2022a. *Ophidiomyces ophidiicola* detection and infection: a global review on a potential threat to the world’s snake populations. *Eur J Wildl Res* 68, 64. <https://doi.org/10.1007/s10344-022-01612-8>

Di Nicola, M.R., Costa, W., Mori, E., 2021a. An evidence of asp viper (*Vipera aspis*) consumption by a western European hedgehog (*Erinaceus europaeus*) on Elba Island (Italy). *Nat Hist Sci*. <https://doi.org/10.4081/nhs.2022.568>

Di Nicola, M.R., Crevani, M., Avella, I., Cerullo, A., Dorne, J.-L.C.M., Paolino, G., Zattera, C., 2024a. A Guide to the Clinical Management of *Vipera* Snakebite in Italy. *Toxins* 16, 255. <https://doi.org/10.3390/toxins16060255>

- Di Nicola, M.R.**, Delfino, M., 2024. On the maxillary dentition of the Western whip snake, *Hierophis viridiflavus* (Lacépède, 1789): heterodonty is not opisthogyphy. *Acta Herpetol.* 20, 75–81. https://doi.org/10.36253/a_h-16673
- Di Nicola, M.R.**, Di Rosa, D., Mariacher, A., Zabbia, T., 2021a. *Hierophis viridiflavus carbonarius* (Western Whip Snake). Coloration. *Herpetological Review* 52, 873–874.
- Di Nicola, M.R.**, Faraone, F.P., 2020. *Vipera aspis hugyi* (Southern Italian Asp). Coloration. *Herpetological Review* 51, 631.
- Di Nicola, M.R.**, Faraone, F.P., Pozzi, A.V., Borgianni, N., Laddaga, L., Dorne, J.-L.M.C., Minuti, G., 2024. The tale of the black viper: distribution and bioclimatic niche modelling of melanistic *Vipera aspis* in Italy. *Acta Herpetol.* 19, 13–27. https://doi.org/10.36253/a_h-15271
- Di Nicola, M.R.**, Faraone, F.P., Zabbia, T., 2022b. An updated dichotomous key to the snakes of Europe. *bah* 36, 47–64. <https://doi.org/10.11160/bah.238>
- Di Nicola, M.R.**, Ferrer, J.Rib., 2022. First case of predation of the Tyrrhenian endemic Sardinian tree frog *Hyla sarda* by an alien water frog *Pelophylax* sp. in northern Sardinia, Italy. *Herpetological Bulletin* 161, 40–41. <https://doi.org/10.33256/hb161.4041>
- Di Nicola, M.R.**, Marrone, F., Faraone, F.P., 2025. Predation of a waterfrog (genus *Pelophylax*) by the freshwater crab *Potamon fluviatile* in Sicily, Italy. *Herpetology Notes* 18, 347–350.
- Di Nicola, M.R.**, Meier, G.J., 2013. *Vipera aspis hugyi* (Southern Italian asp). melanism. *Herpetological Review* 44, 698.
- Di Nicola, M.R.**, Melfi, R., Faraone, F.P., Iversen, D.L.N., Giacalone, G., Paolino, G., Lo Valvo, M., 2022b. Preliminary genetic characterisation of Southern Smooth Snake *Coronella girondica* (Serpentes, Colubridae) populations in Italy, with some considerations on their alpine distribution. *Acta Herpetol.* 17, 115–124. https://doi.org/10.36253/a_h-12556
- Di Nicola, M.R.**, Mezzadri, S., Bruni, G., Ambrogio, A., Mariacher, A., Zabbia, T., 2021b. Aquatic habits of some scincid and lacertid lizards in Italy. *Herpetology Notes* 14, 273–277.
- Di Nicola, M.R.**, Mezzadri, S., Cerullo, A., 2025c. First evidence of Sette Fratelli cave salamander *Speleomantes sarabusensis* (Urodela: Plethodontidae) consumption by the Sardinian grass snake *Natrix helvetica cetti* (Squamata: Natricidae). *Nat Hist Sci* 12.

Di Nicola, M.R., Mezzadri, S., Cerullo, A., Nerozzi, I., Meletiadiis, A., Acutis, P.L., Bruni, G., 2025d. Albinistic tadpoles of the Apennine yellow-bellied toad *Bombina variegata* pachypus: observations on their development and metamorphosis. HB 36–38. <https://doi.org/10.33256/hb172.3638>

Di Nicola, M.R., Mezzadri, S., Tessa, G., Baldrati, T., Zabbia, T., 2020b. New record of an unpublished location and a new finding in a hypogeal context for *Euproctus platycephalus* (Gravenhorst, 1829) (Urodela, Salamandridae). Studi Trentini di Scienze Naturali 99, 5–7.

Di Nicola, M.R., Mulder, K.P., Verbrugghe, E., Storniolo, F., Terriere, N., Colla, L., Sacchi, R., Vanzo, G., Zanfei, G., Marini, D., Pasmans, F., Martel, A., 2025e. Nationwide Screening Unveils Endemic *Ophidiomyces ophidiicola* Presence in Northern Italy, Mainly Affecting Dice Snakes: Evidence from Contemporary and Historical Snake Samples. JoF 11, 118. <https://doi.org/10.3390/jof11020118>

Di Nicola, M.R., Novello, C., Lo Valvo, M., Lo Dico, G.M., Bianchi, V.G., Mercuri, S.R., Giornetti, M., 2023c. Biological Matrices from *Cairina moschata* as Non-Destructive Biomonitoring Tools to Study Environmental Quality of Urban and Extra-Urban Areas: A Case Study of Palermo (Sicily, Italy). Animals 13, 2474. <https://doi.org/10.3390/ani13152474>

Di Nicola, M.R., Parrini, N., Meier, G.J., 2021b. *Coronella austriaca* (Smooth snake) and *Zamenis longissimus* (Aesculapian snake). Defensive behavior. Herpetological Review 52, 419.

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Di Nicola, M.R., Pontara, A., Kass, G.E.N., Kramer, N.I., Avella, I., Pampena, R., Mercuri, S.R., Dorne, J.L.C.M., Paolino, G., 2021c. Vipers of Major clinical relevance in Europe: Taxonomy, venom composition, toxicology and clinical management of human bites. Toxicology 453, 152724. <https://doi.org/10.1016/j.tox.2021.152724>

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Di Nicola, M.R., Pozzi, A.V., Mezzadri, S., Faraone, F.P., Russo, G., Dorne, J.L.M.C., Minuti, G., 2023d. The Endangered Sardinian Grass Snake: Distribution Update, Bioclimatic Niche Modelling, Dorsal Pattern Characterisation, and Literature Review.

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Di Nicola, M.R., Rubiola, S., Cerullo, A., Basciu, A., Massone, C., Zabbia, T., Dorne, J.L.C., Acutis, P.L., Marini, D., 2025f. Microorganisms in wild European reptiles: bridging gaps in neglected conditions to inform disease ecology research. *International Journal for Parasitology: Parasites and Wildlife* 27, 101113. <https://doi.org/10.1016/j.ijppaw.2025.101113>

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Di Nicola, M.R., Sicuro, L., Fiorenza, T., Cerullo, A., 2021c. Conferma di presenza del serpente gatto europeo, *Telescopus fallax* (Fleischmann, 1831), per la provincia di Gorizia (Serpentes, Colubridae). *Studi Trentini di Scienze Naturali* 101, 87–89.

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*autorizzo il trattamento dei miei dati personali presenti nel CV
ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali"
e dell'art. 13 del GDPR (Regolamento UE 2016/679)*