

Curriculum vitae
NICOLANTONIO AGOSTINI

Biography

Date of birth: September, 15, 1964.

Received his M.Sc. in Natural Sciences at the University of Parma (Italy) in 1987

In 2013 he achieved his Ph.D. in Experimental Ecology and Geobotany at the University of Pavia (Italy) with a research on the migration strategies of raptors studied by direct visual observation. He is author of about 90 ornithological publications.

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RESEARCH EXPERIENCE

Between 1986 and 1989 he was member of the Scientific Coordination of the Raptor Rescue Centre in Parma, managed by the Italian Society for the Protection of Birds. In this period he studied the predatory behavior of captive wild Buzzards (*Buteo buteo*) and European Kestrels (*Falco tinnunculus*) and both social and predatory behavior of captive wild Barn Owls (*Tyto alba*) and Tawny Owls (*Strix aluco*).

Since 1989, in collaboration with many ornithologists, he has been making studies on the migration of raptors at several watchsites in Italy, Tunisia, Malta, Greece, Turkey and Georgia. His interest is focused on the water-crossing behavior, orientation, navigation and social learning. Some of these research works were the result of a collaborative effort based on simultaneous observations on different watchsites.

In 1994 he made a research on the social behavior of captive fledgling American Kestrels (*Falco sparverius*) at the Avian Science and Conservation Centre of McGill University (Montreal, Canada).

Since 2008 he has been investigating ecology and distribution of wintering raptors in Italy and Greece.

In 2004, with some colleagues, he founded MEDRAPTORS (Mediterranean Raptor Migration Network), an association that works to improve research and protection of migrating birds of prey through specific projects and observation camps.

Websites:

MEDRAPTORS: <http://www.raptormigration.org/>

Researchgate: https://www.researchgate.net/profile/Nicolantonio_Agostini

Google scholar: <http://scholar.google.it/citations?user=U4o1wn0AAAAJ&hl=it>

He is referee for the following journals: *Acrocephalus*, *Ardea*, *Avocetta*, *European Journal of Wildlife Research*, *Ibis*, *Journal of Field Ornithology*, *Journal of Raptor Research*, *Journal of Zoology*.

Member of the Raptor Research Foundation since 2005.

Species of interest

Neophron percnopterus; *Milvus milvus*; *Falco tinnunculus*; *Circaetus gallicus*; *Buteo buteo*; *Pernis apivorus*; *Milvus migrans*; *Circus aeruginosus*; *Circus macrourus*; *Circus pygargus*; *Hieraetus pennatus*; *Aquila pomarina*

PUBLICATIONS

ISI Journals

Panuccio M., Duchi A. Lucia G. & **Agostini N.** In press. Species-specific behaviour of raptors migrating across the Turkish Straits. *Ardeola*.

Agostini N., Gustin M., von Hardenberg J. & Panuccio M. In press. Wind patterns affect migration flyways and flock size of a soaring bird over sea. *Avian Biology Research*.

Panuccio M., Barboutis C., Chiatante G., Evangelidis A., **Agostini N.** In press. Pushed by increasing air temperature and tailwind speed: weather selectivity of raptors migrating across the Aegean Sea. *Ornis Fennica*.

Agostini N., Panuccio, M. & Pasquaretta, C. 2015. Morphology, flight performance, and water crossing tendencies of Afro-Palearctic raptors during migration. *Current Zoology*, 61: 951-958.

Agostini N., Scuderi A., Chiatante G., Bogliani G. & Panuccio M. 2015. Factors affecting the visible southbound migration of raptors approaching a water surface. *Italian Journal of Zoology*, 82:186-193.

Panuccio M., Lucia G., **Agostini N.**, Ottonello D. & Bogliani G. 2015. Motion capacity, geography and ecological features explain the present distribution of a migratory top predator. *Ecological Research* 30:181-190.

Panuccio M., **Agostini N.**, Mellone U. & Bogliani G. 2014. Circannual variation in movement patterns of the Black Kite (*Milvus migrans migrans*): a review. *Ethology, Ecology and Evolution*, 26:1-18.

Panuccio M., **Agostini N.**, Baghino L. & Bogliani G. 2013. Visible migration of Short-toed Snake Eagles: interplay of weather and topographical features. *Journal of Raptor Research*, 47: 60-68.

Panuccio M., **Agostini N.** & Premuda G. 2012. Ecological barriers promote risk minimisation and social learning in migrating Short-toed Snake Eagles. *Ethology Ecology & Evolution*, 24:74-80.

Agostini N., Lucia G., Mellone U., Panuccio M., von Hardenberg J., Evangelidis A. & Kominos T. 2012. Loop migration of adult European Honey Buzzards *Pernis apivorus* through the central-eastern Mediterranean. *Italian Journal of Zoology* 79: 280-286.

Panuccio M., **Agostini N.**, Lucia G., Mellone U., Wilson S., Ashton-Booth J., Chiatante G. & Todisco S. 2010. Local weather conditions affect migration strategies of adult Western Honey Buzzards (*Pernis apivorus*) through an isthmus area. *Zoological Studies* 49: 651-656.

Agostini N. & Panuccio M. 2010. Western Marsh Harrier (*Circus aeruginosus*) migration through the Mediterranean Sea: a review. *Journal of Raptor Research* 44: 136-142.

Agostini N. & Mellone U. 2008. Does migration flyway of Short-toed Snake-Eagles breeding in central Italy reflect the colonization history? *Journal of Raptor Research* 42: 158-159.

Agostini N., Panuccio M., Mellone U., Lucia G., Wilson S. & Ashton-Booth J. 2007. Do migration counts reflect population trends? A case study of the honey buzzard *Pernis apivorus*. *Ardeola* 54: 339-344.

Agostini N. & Mellone U. 2007. Migration strategies of Oriental Honey Buzzards (*Pernis ptilorhyncus*) breeding in Japan. *Forktail* 23: 182-183.

Agostini N., Gustin M. & Cardelli C. 2007. Factors shaping pathways of European Honey-buzzards (*Pernis apivorus*) during spring migration in the central Mediterranean basin. *Journal of Raptor Research* 41: 57-61.

Agostini N., Premuda G., Cocchi L., Molajoli R., Cardelli C., Gustin M. & Baghino L. 2006. Spring migration of Western Honey-buzzards (*Pernis apivorus*) along the Sardinia-Corsica corridor (Central Mediterranean). *Journal of Raptor Research* 40: 244-246.

Agostini N. 2005. Are earlier estimates of Accipitriformes crossing the Channel of Sicily (Central Mediterranean) during spring migration accurate? *Journal of Raptor Research* 39: 184-186.

Agostini N., Premuda G., Mellone U., Panuccio M., Logozzo D., Bassi E & Cocchi L. 2005. Influence of wind and geography on orientation behavior of adult honey buzzards *Pernis apivorus* during migration over water. *Acta Ornithologica* 40: 71-74.

Agostini N. 2004. Additional observations of age-dependent migration behaviour in western honey buzzards *Pernis apivorus*. *Journal of Avian Biology* 35: 469-470.

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Agostini N., Coleiro C., & Panuccio M. 2004. Analysis of the autumn migration of juvenile Honey Buzzards (*Pernis apivorus*) across the central Mediterranean. *Journal of Raptor Research* 38: 283-286.

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Agostini N., Baghino L., Panuccio M. & Premuda G. 2002. A conservative strategy in migrating Short-toed Eagles (*Circaetus gallicus*). *Ardeola* 49: 287-291.

Agostini N. 2001. Spring migration in relation to sex and age of Marsh Harriers *Circus aeruginosus* in a central Mediterranean island. *Ardeola* 48: 71-73.

Agostini N., Bird D. & Negro J.J. 1996. The social behavior of captive fledgling American kestrels (*Falco sparverius*). *Journal of Raptor Research* 30: 240-241.

Agostini N. & Logozzo D. 1995. Autumn migration of honey buzzards in southern Italy. *Journal of Raptor Research* 29: 275-277.

Agostini N. 1992. Spring migration of honey buzzards (*Pernis apivorus*) at the Straits of Messina in relation to atmospheric conditions. *Journal of Raptor Research* 26: 93-96.

Csermely D., Mainardi D. & **Agostini N.** 1989. The predatory behaviour of captive wild kestrel, *Falco tinninculus* L. *Bollettino di Zoologia* 56: 317-320.

Chapter in books

Agostini N. 2002. La migrazione dei rapaci in Italia. In *Manuale di Ornitologia*. Vol. 3. Pp. 157-182, Bricchetti P. & Gariboldi A. red., Edagricole-II Sole 24 Ore, Bologna.

Csermely D., Mainardi D. & **Agostini N.** 1991. Predatory behaviour in captive wild Buzzards (*Buteo buteo*). In *Birds of Prey Bulletin* 4. Pp 133-142, Chancellor RD & Meyburg BU eds., WWGBP, Berlin, London & Paris.

Technical Report

Agostini N., Calvario E, Ientile R, Spina F. 2006. Studio di settore e del connesso monitoraggio anteoperam relativo all'avifauna migratoria attraverso lo Stretto di Messina. Terzo rapporto relativo alle prime risultanze dei rilevamenti primaverili ed alle proposte di misure mitigatrici e/o compensative degli impatti, con relative elaborazioni cartografiche. INFS pp.104.

Other publications

Agostini N. & Panuccio M. 2015. Is the water-crossing tendency of adult European Honey Buzzards influenced by a time minimization strategy during spring migration? *Rivista italiana di Ornitologia*, 85: 67-72.

Panuccio M., **Agostini N.** & Barboutis C. 2013. Raptor migration in Greece: a review. *Avocetta* 37:1-7.

Agostini N. 2012. Migration strategies of raptors as revealed by direct visual observation. Ph.D. thesis, University of Pavia, Italy.

Lucia G., **Agostini N.**, Panuccio M., Mellone U., Chiatante G., Tarini D. & Evangelidis A. 2011. Raptor migration at Antikythira, in southern Greece. *British Birds* 104: 266-270.

Panuccio M. & **Agostini N.** 2010. Comparison of the water crossing behaviour of Western Marsh Harriers (*Circus aeruginosus*) and European Honey Buzzards (*Pernis apivorus*) during autumn migration. *Chinese Birds* 1:30-35.

Agostini N., Panuccio M., Lucia G., Liuzzi C., Amato P., Provenza A., Gustin M. & Mellone U. 2009. Evidence for age-dependent migration strategies in the Short-toed Eagle. *British Birds* 102: 506-508.

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Panuccio M. & **Agostini N.** 2007. Observations on the spring migration of *Ciconiiformes* and Cranes, *Grus grus*, over the Tyrrhenian Sea. *Rivista italiana di Ornitologia* 77: 64-67.

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Panuccio M. & **Agostini N.** 2006. Comments on the roosting behaviour of Marsh Harrier during migration. *British Birds* 99: 367-368.

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Agostini N. & Panuccio M. 2005. Analysis of the spatial migration patterns of adult Honey Buzzards (*Pernis apivorus*) during spring and autumn in the Central Mediterranean. *Ring* 27: 215-220.

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Agostini N., Panuccio M. & Massa B. 2005. Flight behaviour of Honey Buzzards (*Pernis apivorus*) during spring migration over the sea. *Buteo* 14: 3-10.

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Panuccio M., **Agostini N.** & Massa B. 2004. Spring raptor migration over Ustica, southern Italy. *British Birds* 97: 400-403

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Agostini N., Coleiro C. & Panuccio M. 2003. Autumn migration of Marsh Harriers across the central Mediterranean in 2002. *Ring* 25: 47-52.

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Agostini N. & Panuccio M. 2003. Analysis of the spring migration of Honey Buzzards (*Pernis apivorus*) and Marsh Harriers (*Circus aeruginosus*) at two sites of Central Italy. *Avocetta* 27: 203-205.

Agostini N. & Panuccio M. 2003. How do Accipitriformes behave during autumn migration at the Circeo promontory? *Rivista italiana di Ornitologia* 73: 165-167.

Agostini N., Coleiro C., Corbi F., Di Lieto G., Pinos F. & Panuccio M. 2002. Water-crossing tendency of juvenile Honey Buzzards during migration. *Avocetta* 26: 41-43.

Panuccio M., **Agostini N.** & Massa B. 2002. Crossing the Tyrrhenian Sea: spring migration of Marsh Harriers (*Circus aeruginosus*), sex classes and relation to wind conditions. *Vogelwarte* 41: 271-275.

Agostini N. 2001. The island of Marettimo, a strategic point for surveying the migratory flow of Accipitriformes crossing the Channel of Sicily. *Buteo* 12: 99-102.

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Agostini N. 1994. A note on the predatory behaviour of rehabilitating wild Barn Owls (*Tyto alba*) and Tawny Owls (*Strix aluco*). *Bird Behaviour* 10: 41-44.

Agostini N. & Duchi A. 1994. Water-crossing behaviour of Black Kites (*Milvus migrans*) during migration. *Bird Behaviour* 10: 45-48.

Agostini N., Malara G., Neri F., Mollicone D. & Melotto S. 1994. Flight strategies of Honey Buzzards during spring migration across the central Mediterranean. *Avocetta* 18: 73-76.

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Csermely D. & **Agostini N.** 1991. Predatory behaviour in captive wild Buzzards, (*Buteo buteo*). *Birds of prey Bull.* 4: 133-142.

In Italian

Premuda G., **Agostini N.**, Cocchi L. & Molajoli R. 2007. Primo campo di osservazione della migrazione primaverile dei rapaci in Sardegna. *Aves Ichnusae* 8: 3-11.

Agostini N. 2003. La migrazione dei rapaci sul Mediterraneo centrale: stato attuale della ricerca e prospettive. *Avocetta* 27: 48-51.

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Agostini N. & Logozzo D. 1998. Primi dati sulla migrazione primaverile dei rapaci Accipitriformi sull'isola di Marettimo (Egadi). Rivista italiana di Ornitologia 68: 153-157.

Agostini N. & Malara G. 1997. Entità delle popolazioni di alcune specie di rapaci Accipitriformi migranti, in primavera, sul Mediterraneo centrale. Rivista italiana di Ornitologia 66: 174-176.

Agostini N. & Logozzo D. 1995. Osservazioni sulla migrazione autunnale dei rapaci sull'Appennino calabrese. Rivista italiana di Ornitologia 64:117-120.

Agostini N., Malara G., Neri F. & Mollicone D. 1994. La migrazione Primaverile del Falco pecchiaiolo, *Pernis apivorus*, sullo Stretto di Messina: problemi di protezione. Rivista italiana di Ornitologia 63:187-192.

Conferences

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Lucia G., Panuccio M. & **Agostini N.** In press. A two-year study of wintering raptors in Basilicata (Southern Italy). XVI Conv. italiano di Ornitologia.

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Agostini N., Amato P., Provenza A. & Panuccio M. 2005. Do common buzzards *Buteo buteo* migrate across the Channel of Sicily during autumn? Atti XIII Conv. Ital. Orn. In Avocetta (Suppl) 29: 19.

Gustin M., **Agostini N.,** Cardelli C. & Corso A. 2005. La migrazione del falco pecchiaiolo *Pernis apivorus* nel Mediterraneo centrale: primo anno di attività del progetto LIPU "rapaci migratori". Atti XIII Conv. Ital. Orn. In Avocetta (Suppl) 29: 26.

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Agostini N. & Logozzo D. 1995. La migrazione autunnale del Falco pecchiaiolo sull'Appennino calabrese. Suppl. Ricerche sulla biologia della Selvaggina XXII:511-512.

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