

Marsh Harrier: Zevenhoven, Groene Jonker, The Netherlands. 3rd May 2011.
Photo: Wietze Janse.



List of Harriers with References

Compiled by Joe Hobbs

Introduction

This is the final version of the Harrier's list, no further updates will be made. Grateful thanks to Wietze Janse and Tom Shevlin (www.irishbirds.ie) for the cover images and all those who responded with constructive feedback. All images © the photographers.

Please note that this and other Reference Lists I have compiled are **not exhaustive** and are best employed in conjunction with other sources.

Joe Hobbs

Index

The general order of species follows the International Ornithologists' Union World Bird List (**Gill, F. & Donsker, D.** (eds.) 2019. IOC World Bird List. Available from: <https://www.worldbirdnames.org/> [version 9.1 accessed January 2019]).

Final Version

Version 1.4 (January 2019).

Cover

Main image: Western Marsh Harrier. Zevenhoven, Groene Jonker, Netherlands. 3rd May 2011. Picture by Wietze Janse.

Vignette: Montagu's Harrier. Great Saltee Island, Co. Wexford, Ireland. 10th May 2008. Picture by Tom Shevlin.

Species	Page No.
African Marsh Harrier [<i>Circus ranivorus</i>]	8
Black Harrier [<i>Circus maurus</i>]	10
Cinereous Harrier [<i>Circus cinereus</i>]	17
Eastern Marsh Harrier [<i>Circus spilonotus</i>]	6
Hen Harrier [<i>Circus cyaneus</i>]	11
Long-winged Harrier [<i>Circus buffoni</i>]	9
Malagasy Harrier [<i>Circus macroscelus</i>]	9
Montagu's Harrier [<i>Circus pygargus</i>]	20
Northern Harrier [<i>Circus hudsonius</i>]	16
Pallid Harrier [<i>Circus macrourus</i>]	18
Papuan Harrier [<i>Circus spilothorax</i>]	7
Pied Harrier [<i>Circus melanoleucos</i>]	20
Réunion Harrier [<i>Circus maillardii</i>]	9
Spotted Harrier [<i>Circus assimilis</i>]	9
Swamp Harrier [<i>Circus approximans</i>]	7
Western Marsh Harrier [<i>Circus aeruginosus</i>]	4

Relevant Publications

- Balmer, D. et al.** 2013. *Bird Atlas 2001-11: The breeding and wintering birds of Britain and Ireland*. BTO Books, Thetford.
- Beaman, M.** 1994. *Palaearctic birds: a checklist of the birds of Europe, North Africa and Asia north of the foothills of the Himalayas*. Harrier Publications, Stonyhurst, Lancashire.
- Bildstein, K.L.** 2006. *Migrating Raptors of the World: their Ecology and Conservation*. Cornell University Press, New York.
- Brown, L. & Amadon, D.** 1968. *Eagles, Hawks and Falcons of the World*. Country Life Books, Feltham. 2 volumes.
- Brown, L.H. et al.** 1982. *The Birds of Africa: Volume 1 - Ostriches to Falcons*. Academic Press.
- Clark, W.S. & Yosef, R.** 1998. *Raptor In-Hand Identification Guide*. International Birdwatching Centre Eilat.
- Clark, W.S. & Davies, R.** 2018. *African Raptors*. Bloomsbury Publishing.
- Clark, W.S.** 1987. *A Field Guide to Hawks, North America*. Houghton Mifflin Company, Boston.
- Clark, W.S.** 1999. *A Field Guide to the Raptors of Europe, the Middle East, and North Africa*. Oxford University Press.
- Clarke, R.** 1995. *The Marsh Harrier*. Hamlyn, London.
- Clarke, R.** 1996. *Montagu's Harrier*. Arlequin Press, Chelmsford.
- Cramp, S. & Simmons, K.E.L.** (eds.) 1980. *Handbook of the Birds of Europe, the Middle East and North Africa, The Birds of the Western Palearctic, Volume 2: Hawks to Bustards*. Oxford University Press.
- Crossley, R. et al.** 2013. *The Crossley ID Guide: Raptors*. Princeton University Press (due 2013).
- del Hoyo, J. et al.** (eds.) 1994. *Handbook of the Birds of the World. Volume 2. New World Vultures to Guinea-fowl*. Lynx Edicions, Barcelona.
- Dunne, P. et al.** 1988. *Hawks in Flight*. Houghton Mifflin Company, Boston.
- Ferguson-Lees, J. & Christie, D.A.** 2001. *Raptors of the World*. Christopher Helm, London.
- Forsman, D.** 1999 & 2003. *The Raptors of Europe and The Middle East: a handbook of field identification*. Christopher Helm, London.
- Forsman, D.** 2016. *Flight Identification of Raptors of Europe, North Africa and the Middle East*. Bloomsbury Publishing.
- Garner, M. & Scally, R.** 2014. *Birding Frontiers Challenge Series: Autumn*. Birding Frontiers.
- Garner, M. et al.** 2008. *Frontiers in Birding*. BirdGuides Ltd., Sheffield.
- Génsbøl, B.** 1992. *Collins Photo Guide to the Birds of Prey of Britain and Europe, North Africa and the Middle East*. HarperCollins, London.
- Génsbøl, B.** 2008. *Collins Birds of Prey*. Collins.
- Glutz von Blotzheim, U.N. et al.** (eds.) 1971. *Handbuch der Vögel Mitteleuropas bd. 4*. Frankfurt am Main.
- Grossman, M.L. & Hamlet, J.** 1964. *Birds of Prey of the World*. Bonanza Books, New York.
- Hammond, N. & Pearson, B.** 1993. *Birds of Prey*. Hamlyn Bird Behaviour Guides, Hamlyn, London.
- Hardey, J. et al.** 2006. *Raptors: a Field Guide for Survey and Monitoring*. Stationery Office (TSO), Edinburgh.
- Hosking, E. & Hosking, D.** 1987. *Eric Hosking's Birds of Prey of the World*. Pelham Books, London.
- Howell, S.N.G. et al.** 2014. *Rare Birds of North America*. Princeton University Press, Princeton and Oxford.
- Kaufman, K.** 1990. *A Field Guide to Advanced Birding*. Houghton Mifflin Company, Boston.
- Kaufman, K.** 2011. *Field Guide to Advanced Birding - 2nd edition*. Houghton Mifflin Company, Boston and New York.
- Liquori, J.** 2005. *Hawks from Every Angle: How to Identify Raptors In Flight*. Princeton University Press.
- Liquori, J.** 2011. *Hawks at a Distance - Identification of migrant raptors*. Princeton University Press.
- Marchant, S. & Higgins, P.J.** (eds.) 1993. *Handbook of Australian, New Zealand and Antarctic Birds. Volume 2: Raptors to Lapwings*. Oxford University Press, Melbourne.
- Newton, I.** 1979. *Population Ecology of Raptors*. Poyser.
- Parkin, D.T. & Knox, A.G.** 2010. *The Status of Birds in Britain & Ireland*. Christopher Helm.
- Porter, R.F. et al.** 1986. *Flight Identification of European Raptors*. Poyser.
- Scott, D.** 2008. *Harriers - Journeys around the World*. Tiercel Publishing, Wheathampstead, Herts.
- Scott, D.** 2010. *The Hen Harrier - in the shadow of Slemish*. Whittles Publishing.
- Shirihai, H. et al.** 1996. *The Macmillan Birder's Guide to European and Middle Eastern Birds*. Macmillan Press, London and Basingstoke.

- Shirihai, H. et al.** 2000. *Raptor migration in Israel and the Middle East - A summary of 30 years of field research*. Eilat, Israel.
- Simmons, R.E.** 2000. *Harriers of the World - Their Behaviour and Ecology*. Oxford University Press.
- Snow, D.W. & Perrins, C.M.** (eds.). 1998. *The Birds of the Western Palearctic Concise Edition Volume 1, Non-Passerines*. Oxford University Press.
- Taylor, M.** 2010. *RSPB British Birds of Prey*. A & C Black.
- van Duivendijk, N.** 2010. *Advanced Bird ID Guide, The Western Palearctic*. New Holland.
- van Duivendijk, N.** 2011. *Advanced Bird ID Handbook, The Western Palearctic*. New Holland.
- Verma, A. et al.** 2007. *Harriers in India: A Field Guide*. Wildlife Institute of India, Dehradun, India.
- Vinicombe, K. et al.** 1989. *The Macmillan Field Guide to Bird Identification*. Macmillan Press, London and Basingstoke.
- Vinicombe, K. et al.** 2014. *The Helm Guide to Bird Identification*. Christopher Helm, London.
- Walters, M.** 1991. *The Mitchell Beazley Pocket Guide to Birds of Prey of the World*. Mitchell Beazley Publishers, London.
- Watson, D.** 1977. *The Hen Harrier*. Poyser.
- Watson, D.** 2010. *In Search of Harriers - Over the Hills and Far Away*. Langford Press, Peterborough.
- Weick, F. & Brown, L.H.** 1980. *Birds of Prey of the World*. Collins, London.
- Weidensaul, S.** 1996. *Raptors: The Birds of Prey*. Lyons & Burford Publishers.
- Wheeler, B.K. & Clark, W.S.** 1995. *A Photographic Guide to North American Raptors*. Academic Press. Harcourt Brace & Company Publishers.
- Zalles, J.I. & Bildstein, K.L.** (eds.). 2000. *Raptor Watch: a global directory of raptor migration sites*. BirdLife International.

General Notes

- Fraser, M.** 2008. ListCheck: Relationships - Kites, hawks, eagles, Old World vultures. *Birdwatch* 188: 59.
- Ganesh, T. & Kanniah, P.** 2000. Roost counts of harriers *Circus* spanning seven winters in Andhra Pradesh, India. *Forktail* 16: 1-3.
- Gantlett, S.** 1998. Bird forms in Britain. *Birding World* 11(6): 232-239.
- Garcia, J.T.** 2003. Are simple plumage traits sufficient for species discrimination by harrier males? *Journal of Avian Biology* 34: 402-408.
- Griffiths, C.S.** 2007. Phylogeny, diversity and classification of the Accipitridae based on DNA sequences of the RAG-1 exon. *Journal of Avian Biology* 38: 587-602.
- Gustin, M. & Pizzari, T.** 1998. Migratory pattern in the genus *Circus*: sex and age differential migration in Italy. *Ornis Svecica* 8: 23-26.
- Gustin, M. & Sorace, A.** 2004. Notes: Is the Conero promontory, central Italy, an important bridge for migrant raptors entering eastern Europe in Spring? *British Birds* 97(8): 403-406.
- Hamerstrom, F.** 1968. Ageing and sexing harriers. *Indian Bird Banding News* 40: 43-44.
- Lucia, G. et al.** 2011. Raptor migration at Antikythira, in southern Greece. *British Birds* 104(5): 266-270.
- Mitchell, D.** 2011. Birds of Britain: subspecies checklist v1.1. [online PDF]. Available from: <http://www.birdwatch.co.uk/categories/articleitem.asp?cate=22&topic=155&item=800> [Accessed July 2011].
- Nagle, T.** 2006. The status of Birds of Prey and Owls in County Cork. *Cork Bird Report 1996-2004* pp. 285-308.
- Nieboer, E.** 1973. *Geographical and ecological differentiation in the genus Circus*. Ph.D. dissertation, Free University of Amsterdam, Amsterdam, Netherlands.
- Oatley, G. et al.** 2015. A molecular phylogeny of the harriers (*Circus*, Accipitridae) indicate the role of long distance dispersal and migration in diversification. *Molecular Phylogenetics and Evolution* 85: 150-160.
- Offord, K.** 1989. Fearless Sky-Dancers. *Birdwatch* 230: 36-40.
- Panuccio, M. et al.** 2004. Notes: Spring raptor migration at Ustica, southern Italy. *British Birds* 97(8): 400-403.
- Sammut, M. et al.** 2013. Autumn raptor migration over Malta. *British Birds* 106(4): 217-223.
- Scott, D.** 2004. How many species of harrier are there? - and my quest to find them all! *Northern Ireland Bird Report XV* pp. 126-129.
- Simmons, R.** 1991. The efficiency and evolution of aerial food passing in harriers. *Gabar* 6: 51-56.
- Stronach, N.H.R.** 1991. Wintering harriers in Serengeti National Park, Tanzania. *African Journal of Ecology* 29: 90-92.

Western Marsh Harrier

Circus aeruginosus [Linnaeus].

[*C.a. aeruginosus*] Europe & Asia Minor E to upper R Yenisey & Mongolia (C Asia). Winters W & S Europe, Africa S of Sahara and Indian subcontinent & Sri Lanka.

[*C.a. harterti*] Morocco & Tunisia.

- Agostini, N. & Logozzo, D.** 2000. Migration and wintering distribution of the Marsh Harrier (*Circus aeruginosus*) in southern Italy. *Buteo* 11: 19-24.
- Agostini, N.** 2001. Spring migration in relation to sex and age of Marsh Harriers *Circus aeruginosus* over a central Mediterranean island. *Ardeola* 48: 71-73.
- Akhtar, S.A.** 1994. Harriers in the Velavadar National Park. District Bhavnagar, Gujarat, India, winter 1992/93. *The Raptor* 5: 51-56.
- Altenburg, W.B. et al.** 1982. Polygamy in the Marsh Harrier, *Circus aeruginosus*: Individual variation in hunting performance and the number of mates. *Behaviour* 79: 272-312.
- Altenburg, W.B. et al.** 1987. Colonization of a new area by the Marsh Harrier. *Ardea* 75: 213-220.
- Andrews, J.** 1991. The management and creation of reedbeds - especially for rare birds. *British Wildlife* 3(2): 81-91 (85).
- Arroyo, B.E. & King, J.R.** 1995. Observations on the ecology of Montagu's and Marsh Harriers wintering in north-west Senegal. *Ostrich* 66: 37-40.
- Báldi, A. & Kisbenedek, T.** 1998. Factors influencing the occurrence of Great White Egret (*Egretta alba*), Mallard (*Anas platyrhynchos*), Marsh Harrier (*Circus aeruginosus*), and Coot (*Fulica atra*) in the reed archipelago of Lake Velence, Hungary. *Ekológia Bratislava* 17(4): 384-390.
- Barone, R. et al.** 2001. Observaciones ornitológicas en la Isla de Maio (Archipiélago de Cabo Verde), Octubre de 2000 [Ornithological observations on Maio Island, October 2000]. *Revista de la Academia Canaria de Ciencias* XII(3-4): 143-155 (148).
- Bavoux, C. et al.** 2006. Gender Determination in the Western Marsh Harrier (*Circus aeruginosus*) Using Morphometrics and Discriminant Analysis. *Journal of Raptor Research* 40(1): 57-64.
- Blanc, J-F. et al.** 2013. Plumage variability in Marsh Harriers. *British Birds* 106(3): 145-158.
- Bloomfield, A.** 2008. Notes: Unusual Marsh Harrier plumages. *British Birds* 101(3): 151-152.
- Bloomfield, A.** 2013. Notes: Common Buzzards robbing Marsh Harriers of prey. *British Birds* 106(7): 411-412.
- Bloomfield, A.** 2013. Notes: Sharing of prey by female Marsh Harriers. *British Birds* 106(7): 411.
- Bloomfield, A.** 2013. Notes: Treetop-hunting by Marsh Harriers. *British Birds* 106(7): 410.
- Chathoth, N.** 2009. Crows heckling a Marsh Harrier. *Newsletter for Birdwatchers* 49(2): 28.
- Clark, W.S.** 1987. The dark morph of the Marsh Harrier. *British Birds* 80(2): 61-72.
- Clark, W.S.** 1990. Plumage of subadult male Marsh Harrier. *Dutch Birding* 12(4): 181-185.
- Clarke, R.** 1997. Notes: Desert-roosting by harriers. *British Birds* 90(7): 286-287.
- Clarke, R. et al.** 1993. Food niches of sympatric Marsh Harrier *Circus aeruginosus* and Hen Harrier *C. cyaneus* on the Dutch coast in winter. *Ibis* 135: 424-431.
- Clarke, R. et al.** 1998. World record count of roosting harriers *Circus* in Blackbuck National Park, Velavadar, Gujarat, north-west India. *Forktail* 14: 70-71.
- Corso, A. et al.** 2013. Notes: Raptor migration at the Pelagie Islands. *British Birds* 106(3): 167-170 (169).
- Dijkstra, C. & Zijlstra, M.** 1997. Reproduction of the Marsh Harrier *Circus aeruginosus* in recent land reclamations in The Netherlands. *Ardea* 85(1): 37-50.
- Etherington, G.** 2001. OrnithoNews: Hybrid Marsh Harriers. *Birding World* 14(11): 443.
- Fefelov, I.V.** 2001. Comparative breeding ecology and hybridization of Eastern and Western Marsh Harriers *Circus spilonotus* and *C. aeruginosus* in the Baikal region of Eastern Siberia. *Ibis* 143(3): 587-592.
- Fernández, C. & Azkona, P.** 1992. Increased Parental Care in a Widowed male Marsh Harrier (*Circus aeruginosus*). *Journal of Raptor Research* 26(4): 257-259.
- Fernández, C. & Azkona, P.** 1994. Aerial food transfer as a demand behaviour in the Marsh Harrier. *Journal of Field Ornithology* 65(1): 109-114.
- Fouquet, M. & Yésou, P.** 1991. Notes: Dark-morph Marsh Harriers in western France. *British Birds* 84(10): 438.
- Fouquet, M. & Yésou, P.** 2013. Letters: Plumage variation in Marsh Harriers. *British Birds* 106(5): 282.
- Fritz, H. et al.** 2000. Changes in the frequency of prospecting fly-overs by Marsh Harriers *Circus aeruginosus* in relation to short-term fluctuations in dabbling duck abundance. *Ardea* 88(1): 9-16.
- Golley, M.** 1994. Masterguide: Eyes to the skies. *Birdwatch* 24: 42-45 (42-44).

- Guillemain, M.** *et al.* 2007. Marsh Harriers *Circus aeruginosus* target Teals *Anas crecca* at roosts according to potential availability of vulnerable prey. *Bird Study* 54(2): 268-270.
- Haverschmidt, F.** 1953. Observations of the Marsh Harrier with particular reference to clutch-size and nesting success. *British Birds* 46: 258-259.
- Hazevoet, C.J.** 1999. Fourth report on birds from the Cape Verde Islands, including notes on the conservation and records of 11 new to the archipelago. *Bulletin Zoologisch Museum* 17(3): 19-32 (26).
- Hewitt, S.** 2013. Avian drop-catch play: a review. *British Birds* 106(4): 206-216 (207-208).
- Hughes, S.** 2018. Great bird reserves: Ham Wall. *British Birds* 111(4): 211-225 (221).
- Image, B.** 1994. Notes: Male Marsh Harrier rearing young brood alone. *British Birds* 87(7): 333-335.
- Jones, A.M.** *et al.* 1991. Notes: Insect-feeding by Marsh Harriers. *British Birds* 84(11): 506-507.
- Kitowski, I.** 2009. Social learning of hunting skills in juvenile marsh harriers *Circus aeruginosus*. *Journal of Ethology* 27(3): 327-332.
- Klaassen, R.H.G.** *et al.* 2010. Loop migration in adult Marsh Harriers *Circus aeruginosus*, as revealed by satellite telemetry. *Journal of Avian Biology* 41(2): 200-207.
- Krijgsveld, K.L.** *et al.* 1998. Energy Requirements for Growth in Relation to Sexual Size Dimorphism in Marsh Harrier *Circus aeruginosus* Nestlings. *Physiological Zoology* 71(6): 693-702.
- Kylänpää, J.** 2000. Birds of Dera Ismail Khan District of North West Frontier Province in Pakistan. *Forktail* 16: 15-28 (21).
- Lange, M.** 1998. Bemerkungen zum Jugendkleid der Rohrweihe *Circus aeruginosus* [Remarks on the juvenile plumage of the Marsh Harrier]. *Limicola* 12(5): 262-264.
- Levesque, A. & Malglaive, L.** 2004. First documented record of Marsh Harrier for the West Indies and the New World. *American Birds* 57(4): 564-565.
- Mauer, K.A.** 2011. Adult males Western Marsh Harrier with pale primary markings. *Dutch Birding* 33(6): 382-385.
- Mateo, R.** *et al.* 1999. Lead shot ingestion by marsh harriers *Circus aeruginosus* from the Ebro delta, Spain. *Environmental Pollution* 104(3): 435-440.
- Merkord, C.L.** *et al.* 2006. Second and third records of Western Marsh-Harrier (*Circus aeruginosus*) for the Western Hemisphere in Puerto Rico. *Journal of Caribbean Ornithology* 19(1): 42-44.
- Michev, T.** *et al.* 2011. The autumn migration of soaring birds at Bourgas Bay, Bulgaria. *British Birds* 104(1): 16-37 (28).
- Mudd, K.** 2010. Notes: Marsh Harrier hunting over water. *British Birds* 103(7): 409.
- Murray, T.** 2017. Marsh Harrier *Circus aeruginosus* breeding at Tacumshin, Co. Wexford. *Irish Birds* 10(4): 595.
- Newton, P.A.** 2002. Bird records from the Siang River valley, Arunachal Pradesh, India. *Forktail* 18: 156-157.
- Oliver, P.** 2013. Flight heights of Marsh Harriers in a breeding and wintering area. *British Birds* 106(7): 405-408.
- Pain, D.J.** *et al.* 1993. Lead poisoning in wild populations of Marsh Harriers *Circus aeruginosus* in the Camargue and Charente-Maritime, France. *Ibis* 135(4): 379-386.
- Pain, D.J.** *et al.* 1997. Seasonal blood lead concentrations in marsh harriers *Circus aeruginosus* from Charente-Maritime, France. *Biological Conservation* 81(1): 1-7.
- Pain, D.J.** *et al.* 1999. Levels of polychlorinated biphenyls, organochlorine pesticides, mercury and lead in relation to shell thickness in marsh harrier (*Circus aeruginosus*) eggs from Charente-Maritime, France. *Environmental Pollution* 104(1): 61-68.
- Panuccio, M. & Agostini, N.** 2006. Notes: Comments on the roosting behaviour of Marsh Harriers during migration. *British Birds* 99(7): 367-368.
- Panuccio, M.** *et al.* 2002. Crossing the Tyrrhenian Sea, spring migration of Marsh Harriers (*Circus aeruginosus*), sex classes and relation to wind conditions. *Vogelwarte* 41: 271-275.
- Panuccio, M.** *et al.* 2005. Autumn migration strategies of Honey Buzzards, Black Kites, Marsh and Montagu's Harriers over land and over water in the central Mediterranean. *Avocetta* 29: 27-32.
- Pfister, O.** 2001. Birds recorded during visits to Ladakh, India from 1994 to 1997. *Forktail* 17: 81-90 (84).
- Pitches, A.** 2006. News and comment: Marsh Harriers soar to 200-year high. *British Birds* 99(7): 382.
- Prytherch, R.** 1996. Mystery photographs: Female or non-adult male Marsh Harrier. *British Birds* 89(7): 325.
- Riedstra, B.** *et al.* 1998. Daily energy expenditure of male and female Marsh Harrier nestlings. *The Auk* 115(3): 635-641.
- Robinson, J.A.** 2018. Notes: Kleptoparasitism of food-passing Marsh Harrier by a Peregrine Falcon. *British Birds* 111(7): 402-403.

- Rushforth, J.** 2010. Notes: Marsh Harrier hunting over water. *British Birds* 103(12): 731.
- Sammot, M.** 2005. Notes: Marsh Harriers roosting in trees. *British Birds* 98(6): 314-316.
- Schipper, W.J.A. et al.** 1975. Comparative study of hunting behaviour of wintering Hen Harriers *Circus cyaneus* and Marsh Harrier *Circus aeruginosus*. *Ardea* 63(1): 1-29.
- Scott, D. et al.** 2008. Unexpected breeding of the Marsh Harrier (*Circus aeruginosus*) in County Down, during 2009. *Northern Ireland Bird Report xviii* pp. 109-114.
- Scott, D. et al.** 2009. Unexpected breeding of the Marsh Harrier *Circus aeruginosus* in County Down, during 2009. *Irish Birds* 8(4): 625-627.
- Scott, D.** 2010. Attempted nesting of Marsh Harriers *Circus aeruginosus* in 2010 at a new site in County Down. *Irish Birds* 9(1): 122-123.
- Shirihai, H. & Christie, D.A.** 1992. Raptor migration at Eilat. *British Birds* 85(4): 141-186 (162).
- Simmons, R.E.** 1988. Notes on foraging European Marsh Harriers in the Nyl River Floodplain, South Africa. *Gabar* 3: 35-37.
- Spaar, R. & Bruderer, B.** 1997. Migration by flapping or soaring: flight strategies of Marsh, Montagu's and Pallid Harriers in southern Israel. *The Condor* 99(2): 458-469.
- Strandberg, R. et al.** 2008. Complex Timing of Marsh Harrier *Circus aeruginosus* Migration Due to Pre- and Post-Migratory Movements. *Ardea* 96(2): 159-171.
- Takácsová, M.** 2007. On habitat selection of the Marsh Harrier (*Circus aeruginosus*) in the agricultural region (SW Slovakia, the Danubian lowland). *Acta Zoologica Universitatis Comenianae* 47(1): 57-63.
- Underhill-Day, J.** 1985. The food of breeding Marsh Harriers *Circus aeruginosus* in East Anglia. *Bird Study* 32(2): 199-206.
- Underhill-Day, J.** 1998. Breeding Marsh Harrier in the United Kingdom, 1983-95. *British Birds* 91(6): 210-218.
- van Beusekom, R.F.J.** 1996. Dark morph Marsh Harrier in Flevoland in June 1992. *Dutch Birding* 18(5): 237-238.
- van Turnhout, C.A.M. et al.** 2010. Long-term population developments in typical marshland birds in The Netherlands. *Ardea* 98(3): 283-299.
- Verma, A. & Prakash, V.** 2007. Winter roost habitat use by Eurasian Marsh Harriers *Circus aeruginosus* in and around Keoladeo National Park, Bharatpur, Rajasthan, India. *Forktail* 23: 17-21.
- Verma, A.** 2002. A large congregation of Eurasian Marsh Harriers in Keoladeo National Park, India. *Forktail* 18: 150-151.
- Verma, A.** 2002. *Wintering Ecology of Marsh Harriers*. Ph.D. Thesis. Bombay University, Bombay.
- Verma, A.** 2003. Feeding association of Marsh Harrier (*Circus aeruginosus*) with Black-necked Stork (*Ephippiorhynchus asiaticus*) in Keoladeo National Park (Bharatpur, India). *Aquila* 109-110: 47-50.
- Verma, A.** 2006. Communal roosting behaviour of Eurasian Marsh Harriers in India. *International Hawkwatcher* 11: 3-8.
- Verma, A.** 2006. Preliminary observations on the ecology of Harriers (*Circus* sp.) roosting at Hessarghata, North Bangalore in Karnataka, South India with special reference to Eurasian Marsh Harriers (*Circus aeruginosus*). *The Indian Forester* March Issue, pp. 337-344.
- Wassink, A. & Oreel, G.J.** 2008. Birds of Kazakhstan: new and interesting data. *Dutch Birding* 30(2): 93-100 (94).
- Witkowski, J.** 1989. Breeding biology and ecology of the marsh harrier *Circus aeruginosus* in the Barycz valley, Poland. *Acta Ornithologica* 25: 223-320.
- Zijlstra, M. et al.** 1992. Seasonal Variation in the Sex Ratio of Marsh Harrier *Circus aeruginosus* Broods. *Functional Ecology* 6(5): 553-559.

Eastern Marsh Harrier

Circus spilonotus [Kaup].

SE Siberia & Mongolia E to Ussuriland, Sakhalin, NE China & N Japan. Winters S Japan and SE Asia & S China S & E to Indonesia & Philippines.

Other name: Spotted Marsh Harrier.

Armadon, D. 1978. Remarks on the taxonomy of some Australasian Raptors. *Emu* 78(3): 115-118.

Bakewell, D.N. et al. 1988. Some notes on 'Ringtail' Harriers occurring in Hong Kong. *Hong Kong Bird Report 1987* pp. 64-75 (65-67).

Carey, G.J. 1998. Notes: Eastern Marsh Harrier drowning Mallard. *Hong Kong Bird Report 1996* pp. 171-172.

Etherington, G. 2001. OrnithoNews: Hybrid Marsh harriers. *Birding World* 14(11): 443.

- Fefelov, I.V.** 2001. Comparative breeding ecology and hybridization of Eastern and Western Marsh Harriers *Circus spilonotus* and *C. aeruginosus* in the Baikal region of Eastern Siberia. *Ibis* 143(3): 587-592.
- Fitzsimons, J.** 2005. Attempted predation on a Large-tailed Nightjar (*Caprimulgus macrurus*) by an Eastern Marsh-Harrier (*Circus spilonotus*) in coastal Vietnam. *Journal of Raptor Research* 39(1): 106-107.
- Hirano, T. et al.** 1998. Communal roosting of Eastern Marsh Harriers wintering at Watarase Marsh. *Strix* 16: 1-15 [in Japanese with English summary].
- Holmes, J.** 2006. Myanmar - a trip to see endemics. *Alula* 12(1): 10-17 (14).
- Moore, N.** 2007. Selected records from Socheong Island, South Korea. *Forktail* 23: 102-124 (107).
- Pilgrim, J.D. et al.** 2009. Updates to the distribution and status of birds in Vietnam. *Forktail* 25: 130-136 (132).
- Roselaar, C.S. & Aliabadian, M.** 2009. Review of rare birds in Iran, 1860s-1960s. *Podoces* 4(1): 1-27 (8).
- Wiles, G.J. et al.** 2000. Noteworthy Bird Records for Micronesia, with a Summary of Raptor Sightings in the Mariana Islands, 1988-1999. *Micronesica* 32(2): 257-284 (265).

Papuan Harrier

Circus spilothorax [Salvadori & D'Albertis].

New Guinea apart from the Vogelkop peninsula.

Treated by del Hoyo *et al.* 1994 as a race of Eastern Marsh Harrier.

Other name: Spotted-backed Harrier.

- Mackay, R.D.** 1991. Papuan Harrier *Circus spilonotus spilothorax* in North Queensland, with comments on plumages. *Australian Bird Watcher* 14: 144-146.
- Mayr, E. & Gilliard, E.T.** 1954. Birds of central New Guinea: results of the American Museum of Natural History Expedition to New Guinea in 1950 and 1952. *Bulletin of the American Museum of Natural History* 103(4): 311-374.
- Simmons, R. & Legra, L.A.T.** 2009. Is the Papuan Harrier *Circus spilonotus spilothorax* a globally threatened species? Ecology, climate change threats and first population estimates from Papua New Guinea. *Bird Conservation International* 19: 379-391.
- Simmons, R.E.** 2010. The nest, eggs, and diet of the Papuan Harrier from eastern New Guinea. *Journal of Raptor Research* 44(1):12-18.

Swamp Harrier

Circus approximans [Peale].

S New Guinea, Melanesia, Australia & New Zealand and Polynesia as far E as Tonga. Introduced to the Society Islands (French Polynesia, S Pacific).

The proposed form *gouldi* is included.

Other name: Pacific Marsh Harrier, Australian Harrier, Harrier Hawk, Gould's Harrier (*gouldi*).

John Gould, aka 'The Bird Man' (1804-1881), British ornithologist, artist and taxidermist who spent two years in Australia studying the birdlife.

- Armadon, D.** 1978. Remarks on the taxonomy of some Australasian Raptors. *Emu* 78(3): 115-118.
- Ashfield, P. & Hutchins, P.** 1997. Swamp Harrier taking Silver Gull. *South Australian Ornithologist* 32(7): 140.
- Baker-Gabb, D.J.** 1978. *Aspects of the biology of the Australasian Harrier* (*Circus aeruginosus approximans* Peale 1848). M.Sc. thesis. Massey University, Palmerston North, New Zealand.
- Baker-Gabb, D.J.** 1979. Remarks on the taxonomy of the Australasian Harrier (*Circus approximans*). *Notornis* 26(4): 325-329.
- Baker-Gabb, D.J.** 1981. Breeding behaviour and ecology of the Australasian Harrier (*Circus approximans*) in the Manawatu-Rangitikei Sand-Country, New Zealand. *Notornis* 28: 103-119.
- Baker-Gabb, D.J.** 1981. The diet of the Australasian Harrier (*Circus approximans*) in the Manawatu-Rangitikei Sand Country, New Zealand. *Notornis* 28: 241-254.
- Baker-Gabb, D.J.** 1982. *Comparative ecology and behaviour of Swamp Harriers* *Circus approximans*, *Spotted Harriers* *C. assimilis* and other raptors in Australia and New Zealand. Ph.D. thesis. Monash University, Melbourne, Australia.
- Baker-Gabb, D.J.** 1984. The feeding ecology and behaviour of seven species of raptor overwintering in coastal Victoria. *Wildlife Research* 11(3): 517-532.
- Cooper, W.** 1991. Harrier attacking Black-billed Gull. *Notornis* 38(1): 72.

- Cuthbert, R.** 2003. Sign left by introduced and native predators feeding on Hutton's Shearwaters *Puffinus huttoni*. *New Zealand Journal of Zoology* 30(3): 163-170.
- de Naurois, R.** 1985. Field notes on New Caledonian raptors with particular reference to *Haliastur sphenurus*. *Bonner Zoologische Beiträge* 36(1-2): 65-68.
- Eakle, W.L.** 1997. Observations of raptors in the Republic of Vanuatu. *Journal of Raptor Research* 31(4): 303-307.
- Fennell, J.F.M.** 1980. An observation of carrion preference by the Australian Harrier (*Circus approximans gouldi*). *Notornis* 27: 404-405.
- Fox, N.C.** 1977. Some morphological data on the Australian Harrier (*Circus approximans gouldi*) in New Zealand. *Notornis* 24: 9-19.
- Gempton, D.H. & Wheeldon, R.H.** 1983. Treatment of a fractured toe in an Australasian Harrier (*Circus approximans* Gouldi). *New Zealand Veterinary Journal* 31(6): 103-104.
- Gurr, L.** 1968. Communal roosting behaviour of the Australasian Harrier *Circus approximans* in New Zealand. *Ibis* 110(3): 332-337.
- Hawke, D.J.** *et al* 2005. Verification of seabird contributions to Australasian harrier diet at Motunau Island, North Canterbury, using stable isotope analysis. *Notornis* 52(3): 158.
- Olsen, P. & Marples, T.G.** 1993. Geographic-variation in egg size, clutch size and date of laying of Australian raptors (Falconiformes and Strigiformes). *Emu* 93(3): 167-179.
- Powlesland, R.G. et al.** 2002. Predation by Australasian harrier (*Circus approximans*) of little shag (*Phalacrocorax melanoleucos*) clutches. *Notornis* 49: 266-268.
- Ragg, J.R. et al.** 2000. The scavenging behaviour of ferrets (*Mustela furo*), feral cats (*Felis domesticus*), possums (*Trichosurus vulpecula*), hedgehogs (*Erinaceus europaeus*) and harrier hawks (*Circus approximans*) on pastoral farmland in New Zealand: Implications for bovine tuberculosis transmission. *New Zealand Veterinary Journal* 48(6): 166-175.
- Rinke, D.R. et al.** 1992. Miscellaneous bird notes from the Kingdom of Tonga - New records from other islands. *Notornis* 39: 301-315 (306).
- Spurr, E.B.** 1979. A theoretical assessment of the ability of bird species to recover from an imposed reduction in numbers, with particular reference to 1080 poisoning. *New Zealand Journal of Ecology* 2: 46-63.
- Stirnemann, I. & Kessels, G.** 2008. Use of wind farms by Australasian Harrier (*Circus approximans*). *Notornis* 55: 214-215.
- Tollan, A.M.** 1988. Maintenance energy requirements and energy assimilation efficiency of the Australasian Harrier. *Ardea* 76: 181-186.
- Wilcox, R.C.** 2009. Tropical Island Invaders: Swamp Harrier (*Circus approximans*) Behavior and Seabird Predation on Moorea, French Polynesia. *UC Berkeley: UCB Moorea Class: Biology and Geomorphology of Tropical Islands*. Available from <https://escholarship.org/uc/item/1cc0f0mn>.

African Marsh Harrier

Circus ranivorus [Daudin].

DR Congo, Uganda & Kenya S to South Africa. Seasonal NE movements in response to low water levels to SW Sudan, S Ethiopia & Somalia.

- Clark, W.S.** 1997. A dark morph for the African Marsh Harrier. *Journal of African Raptor Biology* 12: 27-29.
- De Kock, A.C. & Simmons, R.** 1988. Polychlorinated hydrocarbon residues in African Marsh Harrier eggs and concurrent reproductive trends. *Ostrich* 59: 180-181.
- Simmons, R.** 1990. Copulation patterns of African marsh harriers: Evaluating the paternity assurance hypothesis. *Animal Behaviour* 40(6): 1151-1157.
- Simmons, R.** 1991. Comparisons and functions of sky-dancing displays of *Circus* harriers: untangling the Marsh Harrier complex. *Ostrich* 62(1-2): 45-51.
- Simmons, R.** 1992. Brood adoption and deceit among African Marsh Harriers *Circus ranivorus*. *Ibis* 134(1): 32-34.
- Simmons, R. et al.** 1992. Biases in diets determined from pellets and remains: correction factors for a mammal and bird-eating raptor. *Journal of Raptor Research* 25(3): 63-67.
- Simmons, R.E.** 1994. Supplemental food alters egg size hierarchies within harrier clutches. *Oikos* 71(2): 341-348.
- Vallotton, L.** 2011. A dark morph African Marsh Harrier *Circus ranivorus* from Botswana. *Gabar* 22: 5-10.

Réunion Harrier

Circus maillardi [J. Verreaux].

Réunion Island (SW Indian Ocean).

Treated by del Hoyo *et al.* 1994 as a race of the polytypic Madagascar Harrier.

Other names: Papangue, Pied Jaun.

L. Maillard (19th century), French botanist and engineer and author of *Notes sur l'Île de al Réunion*.

Adams, M.P. *et al.* 2003. Extinct and endangered ('E&E') birds: a proposed list for collection catalogues. *Bulletin of the British Ornithologists' Club* 123: 338-354.

Bretagnolle, V. *et al.* 2000. Distribution, population size and habitat use of the Réunion Marsh Harrier, *Circus m. maillardi*. *Journal of Raptor Research* 34(1): 8-17.

Bretagnolle, V. *et al.* Status of Réunion Marsh Harrier *Circus maillardi* on Réunion Island. Found in: Chancellor, R.D. & Meyburg, B-U. 2000. *Raptors at Risk - Proceedings of the 5th World Conference on Birds of Prey and Owls*. WWGBP, Berlin.

Clouet, M. 1978. Le busard de maillard, *Circus aeruginosus*, de l'Isle de la Réunion [Reunion Harrier of the island of Reunion]. *L'Oiseau et R.F.O.* 48: 95-106.

Clouet, M. 2015. Le Busard de Maillard *Circus maillardi* de L'Île de la Réunion, 40 and plus tard [Reunion Harrier of the island of Reunion, 40 years later]. *Alauda* 83(3): 161-164.

Malagasy Harrier

Circus macroscelus [Newton]

Madagascar & the Comoro Islands (SW Indian Ocean).

Treated by del Hoyo *et al.* 1994 as a race of the polytypic Madagascar Harrier.

de Roland, L-A.R. *et al.* 2004. Nesting biology and diet of the Madagascar Harrier (*Circus macroscelus*) in Ambohitantely Special Reserve, Madagascar. *Journal of Raptor Research* 38(3): 256-262.

de Roland, L-A.R. *et al.* 2009. Surveys, distribution and current status of the Madagascar Harrier *Circus macroscelus* in Madagascar. *Bird Conservation International* 19(4): 309-322.

Delacour, J. 1932. On the birds collected in Madagascar by the Franco-Anglo-American Expedition, 1929-1931. *Ibis* 13: 284-304.

Paverne, L. 1997. Nidification et comportement de busard de maillard (*Circus maillardi*) dans la région d'Ankazobe au nord-ouest d'Antananarivo [Nesting behaviour of *Circus maillardi* in Ankazobe]. *Working Group on Birds in the Madagascar Region Newsletter* 7: 21-24.

Long-winged Harrier

Circus buffoni [Gmelin].

SW Colombia E to the Guianas, Trinidad and Tobago & NE Brazil and S to E Bolivia, N & C Argentina & C Chile.

George-Louis Leclerc Comte de Buffon (1707-1788), French naturalist and one time Director of the Jardin du Roi in Paris.

Amadon, D. 1954. On the Correct Names for the Caracaras and for Long-winged Harrier. *The Auk* 71(2): 203-204.

Angehr, G.R. 2011. First North American records of Long-winged Harrier (*Circus buffoni*), Large-billed Seed-Finch (*Oryzoborus crassirostris*), and Yellow-hooded Blackbird (*Chrysomus icterocephalus*) from Panama. *North American Birds* 64: 540-547.

Bó, M.S. *et al.* 1996. Diet of Long-winged Harrier (*Circus buffoni*) in southeastern Buenos Aires Province, Argentina. *Journal of Raptor Research* 30(4): 237-239.

Jaksic, F.M. & Jimenez, J.E. 1986. The Conservation Status of Raptors in Chile. *Birds of Prey Bulletin* No. 3 pp. 95-104.

Renssen, T.A. 1973. Social roosting of *Circus buffoni* in Surinam. *Ardea* 61(3-4): 188.

Spotted Harrier

Circus assimilis [Jardine & Selby].

Australia and Sulawesi & Sula Islands (C Moluccas, Indonesia).

Other names: Jardine's Harrier, Allied Harrier, Smoke Hawk.

Sir William Jardine, 7th Baronet of Applegarth (1800-1874), Scottish ornithologist.

- Amadon, D.** 1941. Notes on some Australian birds of prey. *Emu* 40(5): 365-384.
- Baker-Gabb, D.J.** 1982. *Comparative ecology and behaviour of Swamp Harriers Circus approximans, Spotted Harriers C. assimilis and other raptors in Australia and New Zealand*. Ph.D. thesis. Monash University, Melbourne, Australia.
- Baker-Gabb, D.J.** 1984. The evolution of tree-nesting and the origin of the Spotted Harrier. *Corella* 8: 67-69.
- Debus, S.J.S.** 1995. Aerial display by Spotted Harrier *Circus assimilis*. *Australian Bird Watcher* 16: 167-168.
- Klau, W.L.** 1985. Spotted Harriers *Circus assimilis* nesting on the Nullarbor Plain. *Australian Bird Watcher* 11: 46-48.
- Olsen, P. & Marples, T.G.** 1993. Geographic-variation in egg size, clutch size and date of laying of Australian raptors (Falconiformes and Strigiformes). *Emu* 93(3): 167-179.

Black Harrier

Circus maurus [Temminck].

S South Africa N to the Transvaal, Lesotho, S Namibia & S Botswana.

- Adams, M.P. et al.** 2003. Extinct and endangered ('E&E') birds: a proposed list for collection catalogues. *Bulletin of the British Ornithologists' Club* 123: 338-354.
- Atyeo, M.** 2006. *The relationship between small mammal populations and nest site selection by black harriers Circus maurus within the Overberg, South Africa*. B.Sc (Hons) Thesis, University of Queensland, Brisbane.
- Boddam-Whetham, A.D.** 1968. Black Harrier *Circus maurus*, in Eastern O.F.S. *Ostrich* 39(1): 35.
- Chadwick, P.I.** 1997. Breeding by Black Harriers in the West Coast National Park. *Journal of African Raptor Biology* 12: 14-19.
- Curtis, O. et al.** 2001. The Black Harrier: work in progress. *Africa Birds & Birding* 7: 30-36.
- Curtis, O. et al.** 2004. Black Harrier *Circus maurus* of the Fynbos biome, South Africa: a threatened specialist or an adaptable survivor? *Bird Conservation International* 14: 233-245.
- Fuchs, J. et al.** 2014. Lack of mtDNA genetic diversity in the Black Harrier *Circus maurus*, a Southern African endemic. *Ibis* 156(1): 227-230.
- Garcia-Heras, M.** 2017. *Environmental factors influencing the breeding and health of a predator endemic to southern Africa: the endangered Black Harrier Circus Maurus*. PhD Doctoral Thesis, University of Cape Town.
- Garcia-Heras, M-S. et al.** 2016. Does timing of breeding matter less where the grass is greener? Seasonal declines in breeding performance differ between regions in an endangered endemic raptor. *Nature Conservation* 15: 23-45.
- Garcia-Heras, M-S. et al.** 2017. Is the Black Harrier *Circus maurus* a specialist predator? Assessing the diet of a threatened raptor species endemic to southern Africa. *Ostrich* 88(1): 1-8.
- Garcia-Heras, M-S. et al.** 2017. Regional and temporal variation in diet and provisioning rates suggest weather limits prey availability for an endangered raptor. *Ibis* 159(3): 567-579.
- Garcia-Heras, M-S. et al.** 2018. Blood concentrations of PCBs and DDTs in an avian predator endemic to southern Africa: Associations with habitat, electrical transformers and diet. *Environmental Pollution* 232: 440-449.
- Garcia-Heras, M-S. et al.** 2019. Migratory patterns and settlement areas revealed by remote sensing in an endangered intra-African migrant, the Black Harrier (*Circus maurus*). *PLoS ONE* 14(1): e0210756. <https://doi.org/10.1371/journal.pone.0210756>.
- Jenkins, J. et al.** 2013. The value of the Black Harrier (*Circus maurus*) as a predictor of biodiversity in the plant-rich Cape Floral Kingdom, South Africa. *Bird Conservation International* 23(1): 66-77.
- Lee, A.T.K. & Simmons, R.L.** 2014. What's eating Black Harriers *Circus maurus*? Two predation events camera-recorded on a ground nesting raptor. *Gabar* 25: 9-14.
- Siegfried, W.R.** 1992. Conservation status of the South African endemic avifauna. *South African Journal of Wildlife Research* 22(3): 61-64.
- Simmons, R.E.** 2005. Reviewing the conservation status of the Black Harrier, *Circus maurus*. *Gabar* 16: 29-31.
- Simmons, R.E. et al.** 1998. Black Harrier conservation and ecology: preliminary findings 2000. *Journal of African Raptor Biology* 13: 33-38.
- Steyn, P. & Myburgh, N.** 1989. Development halted for a Black Harrier. *Bokmakierie* 41: 15.
- Uys, C.J.** 1978. The status of the Black Harrier in the western Cape. *Bokmakierie* 30: 52.
- van Der Merwe, F.** 1981. Review of the status and biology of the Black Harrier. *Ostrich* 52: 193-207.
- Van Jaarsveld, J.** 1986. Black Harrier breeding near Royal Natal Park, RSA. *Gabar* 1(1): 27.

Hen Harrier

Circus cyaneus [Linnaeus].

Europe & N Asia E to Kamchatka. Winters Europe & NW Africa E thru S Asia to SE China & Japan.

- Amar, A. & Redpath, S.M.** 2005. Habitat use by Hen Harriers *Circus cyaneus* in Orkney: implications of land-use change for this declining population. *Ibis* 147: 37-47.
- Amar, A. et al.** 2003. Evidence for food limitation in the declining Hen Harrier population on the Orkney Islands, Scotland. *Biological Conservation* 111: 377-384.
- Amar, A. et al.** 2005. Decline of the Orkney Hen Harrier *Circus cyaneus* population: do changes to demographic parameters and mating system fit a declining food hypothesis? *Bird Study* 52: 18-24.
- Amar, A. et al.** 2008. Influence of habitat on breeding performance of Hen Harriers *Circus cyaneus* in Orkney. *Ibis* 150: 400-404.
- Avery, M. & Bainbridge, I.** 1997. Conservation research news: Harassed harriers have legitimate grouse. *British Birds* 90(10): 411-412.
- Avery, M.** 2011. Why hunting and harriers can't mix. *Birdwatch* 233: 20.
- Avery, M.** 2012. Unnatural England. *Birdwatch* 241: 21.
- Avery, M.** 2014. In the line of fire. *Birdwatch* 266: 35-38.
- Avery, M.** 2014. Saving the harrier. *Birdwatch* 262: 38.
- Avery, M.** 2015. A fight we can win. *Birdwatch* 278: 35.
- Avery, M.** 2015. Hen Harriers need you. *Birdwatch* 274: 34.
- Avery, M.** 2015. Inglorious. *Birdwatch* 278: 37-39.
- Avery, M.** 2015. Brood mismanagement. *Birdwatch* 298: 25.
- Bakewell, D.N. et al.** 1988. Some notes on 'Ringtail' Harriers occurring in Hong Kong. *Hong Kong Bird Report* 1987 pp. 64-75 (70).
- Balfour, E. & Cadbury, C.J.** 1979. Polygyny, spacing and sex ratio among Hen Harriers *Circus cyaneus* in Orkney, Scotland. *Ornis Scandinavica* 10: 133-141.
- Balfour, E. & MacDonald, M.A.** 1970. Food and feeding behaviour of the Hen Harrier in Orkney. *Scottish Birds* 6: 157-166.
- Barton, C. et al.** 2006. The second national survey of breeding Hen Harriers *Circus cyaneus* in Ireland 2005. *Irish Birds* 8(1): 1-20.
- Barthel, C.** 1992. Rätselvogel 32: Kornweihe *Circus cyaneus* [Mystery Bird 32: Hen Harrier]. *Limicola* 6(6): 296-297.
- Baynes, T.** 2002. Points of view: Manage harriers for a better moorland. *Birdwatch* 126: 16.
- Bibby, C.J. & Etheridge, B.** 1993. Status of the Hen Harrier *Circus cyaneus* in Scotland in 1988-89. *Bird Study* 40(1): 1-11.
- Bourne, W.R.P.** 1992. What happens when Hen Harriers nest above ground? *Irish Birds* 4(4): 564-565.
- Callahan, D.** 2016. Species profile: *Circus maximus*. *Birdwatch* 290: 59-62.
- Clarke, R. & Hadrill, P.H.** 1991. Notes: Treetop hunting by Hen Harriers. *British Birds* 84(12): 570.
- Clarke, R. & Watson, D.** 1990. The Hen Harrier *Circus cyaneus* Winter Roost Survey in Britain and Ireland. *Bird Study* 37: 84-100.
- Clarke, R.** 1992. Notes: Roosting Hen Harrier killed by fox. *British Birds* 85(3): 129-130.
- Clarke, R. et al.** 1993. Food niches of sympatric Marsh Harrier *Circus aeruginosus* and Hen Harrier *C. cyaneus* on the Dutch coast in winter. *Ibis* 135: 424-431.
- Clarke, R. et al.** 1997. A comparison of the feeding ecology of wintering Hen Harriers *Circus cyaneus* centred on two heathland areas in England. *Ibis* 139: 4-18.
- Combridge, M.C. & Combridge, P.** 1992. Notes: Effect of freezing conditions on roosting Hen Harrier. *British Birds* 85(3): 130.
- Combridge, P.** 1984. Notes: Underwing of ringtail Hen Harrier. *British Birds* 77(9): 419.
- Crewe, M.D.** 1999. Letters: 'Hedge-hopping' behaviour of Hen Harrier. *British Birds* 92(9): 485-486.
- Cudworth, J. & Massingham, C.** 1986. Notes: Hen Harrier and Merlin hunting together. *British Birds* 79(9): 430.
- Cullen, C.** 2010. Head bowing as an aspect of Hen Harrier *Circus cyaneus* courtship. *Irish Birds* 9(1): 121-122.
- Davenport, D.L.** 1982. Influxes into Britain of Hen Harriers, Long-eared Owls and Short-eared Owls in winter 1978/79. *British Birds* 75(7): 309-316.
- Dawson, P.A.C.** 2005. Hen Harrier *Circus cyaneus* utilisation of a limestone fen in north County Cork. *Irish Birds* 7(4): 503-510.
- Dickson, R.C.** 1982. Notes: Bowing behaviour of Hen Harriers. *British Birds* 75(7): 329-330.
- Dickson, R.C.** 1982. Notes: Hen Harriers stooping at birds in winter. *British Birds* 75(7): 328-329.

- Dickson, R.C.** 1984. Notes: Falcons hunting close to harriers. *British Birds* 77(10): 481-482.
- Dickson, R.C.** 1995. Feeding rates of Hen Harriers in West Galloway. *Scottish Birds* 18: 104-106.
- Dickson, R.C.** 1997. Notes: Treetop-hunting by Hen Harriers. *British Birds* 90(6): 228.
- Dickson, R.C.** 2009. Notes: Two male Hen Harriers attending nests in Dumfries & Galloway. *British Birds* 102(8): 468.
- Dobson, A.D.M. & Clarke, M.L.** 2011. Inconsistency in the taxonomy of Hen and Northern Harriers: causes and consequences. *British Birds* 104(4): 192-201.
- Eds.** 2004. Pigeonhole: English Hen Harriers continue to struggle. *Birding World* 17(8): 352.
- Etheridge, B. et al.** 1997. The effects of illegal killing and destruction of nests by humans on the population dynamics of the Hen Harrier *Circus cyaneus* in Scotland. *Journal of Applied Ecology* 34: 1081-1105.
- Everett, M.** 1998. Conservation: Moors murderers? *Birdwatch* 67: 6-9.
- Fernández-Bellón, D. et al.** 2015. Reproductive output of Hen Harriers *Circus cyaneus* in relation to wind turbine proximity. *Irish Birds* 10(2): 143-150.
- Forrest, N.I.** 2013. Notes: Unusual Hen Harrier behaviour. *British Birds* 106(5): 285-286.
- Forsman, D. & Erterius, D.** 2012. Pallid Harriers in northwest Europe and the identification of presumed Pallid x Hen Harrier hybrids. *Birding World* 25(2): 68-75.
- Forsman, D. & Peltomäki, J.** 2007. Hybrids Between Pallid and Hen harriers - A New Headache of Birders? *Alula* 13(4): 178-182.
- Forsman, D.** 1996. Nuorten ja naaraspukuisten sini-, niitty- ja arosuohaukkojen tunnistaminen [How to separate ringtail Hen, Montagu's and Pallid Harriers]. *Alula* 2(4): 152-159.
- Forsman, D.** 2009. Hybrid harriers on the move. *Birding World* 22(11): 469-470.
- Forsman, D.** 2016. ID Special: Hen, Northern, Pallid and Montagu's Harriers. *Birdwatch* 285: 45-52.
- Green, R.E. & Etheridge, B.** 1999. Breeding success of the hen harrier *Circus cyaneus* in relation to the distribution of grouse moors and the red fox *Vulpes vulpes*. *Journal of Applied Ecology* 36(4): 472-483.
- Harold, R.** 1989. Squeal call of the Hen Harrier at winter roost. *British Birds* 82(3): 93-96.
- Harper, M.** 2013. Letters: England's Hen Harriers. *British Birds* 106(3): 173.
- Hatton, D.H.** 2014. Notes: Play-like behaviour from juvenile harrier in Cambridgeshire. *British Birds* 107(10): 656.
- Hayhow, D.B. et al.** 2013. The status of the Hen Harrier, *Circus cyaneus*, in the UK and Isle of Man in 2010. *Bird Study* 60: 446-458.
- Heath, A. & Armstrong, H.** 2008. Notes: Artificial feeding of Hen Harriers in the Peak District. *British Birds* 101(3): 152-154.
- Hewitt, S.** 2013. Avian drop-catch play: a review. *British Birds* 106(4): 206-216 (207-208).
- Irving, P.V.** 2008. Notes: Supplementary feeding of Hen Harriers. *British Birds* 101(5): 256-257.
- Irwin, S. et al.** 2008. Aspects of the breeding biology of Hen Harriers *Circus cyaneus* in Ireland. *Irish Birds* 8(3): 331-334.
- Irwin, S. et al.** 2011. The breeding biology of Hen Harriers *Circus cyaneus* in Ireland over a five year period. *Irish Birds* 9(2): 165-172.
- Jack, J.** 1984. Notes: Hen Harrier and Merlin hunting together. *British Birds* 77(2): 72-73.
- Jones, E.** 1981. Some observations on the biology of Hen Harriers in Co. Limerick. *Irish Birds* 2(1): 80-82.
- Kehoe, C.** 2006. Racial identification and assessment in Britain: a report from the RIACT subcommittee. *British Birds* 99(12): 619-645 (625).
- Kemp, J.B.** 1990. Notes: Hen Harriers roosting in oil-seed rape. *British Birds* 83(1): 23.
- Kylänpää, J.** 2000. Birds of Dera Ismail Khan District of North West Frontier Province in Pakistan. *Forktail* 16: 15-28 (21).
- Lawton Roberts, J.** 1986. Notes: Hen Harrier and Peregrine hunting 'in tandem'. *British Birds* 79(9): 430.
- Leckie, F.M. et al.** 2008. Parental differences in brood provisioning by Hen Harriers *Circus cyaneus*. *Bird Study* 55: 209-215.
- Lontkowski, J. & Skakuj, M.** 1996. Identification: Dead ringers. *Birdwatch* 47: 23-29.
- Lontkowski, J. & von Michal Skakuj, F.** 1995. Die Unterscheidung von Korn- *Circus cyaneus*, Wiesen- *C. pypargus* und Steppenweihe *C. macrourus* [Identification of Hen, Montagu's and Pallid Harriers]. *Limicola* 9(5): 233-275.
- Lynes, M.** 1982. Notes: Hen Harriers stooping at birds in winter. *British Birds* 75(7): 329.
- Madden, B. & Porter, B.** 2007. Do wind turbines displace Hen Harriers *Circus cyaneus* from foraging habitat? Preliminary results of a case study at the Derrybrien Wind Farm, County Galway. *Irish Birds* 8(2): 231-236.

- Madders, M.** 2000. Habitat selection and foraging success of Hen Harriers *Circus cyaneus* in west Scotland. *Bird Study* 47: 32-40.
- Marshall, D.S.** 1983. Notes: Prolonged aerial encounters between Hen Harrier and Goshawk. *British Birds* 76(10): 448-449.
- McIntyre, J. et al.** 1978. Nesting of the Hen Harrier in the Isle of Man. *Peregrine* 4: 283-284.
- Michev, T. et al.** 2011. The autumn migration of soaring birds at Bourgas Bay, Bulgaria. *British Birds* 104(1): 16-37 (28).
- Middleton, P.** 2010. Winter roosting behaviour of Hen Harriers in northern England. *British Birds* 103(1): 60-61.
- Millon, A. et al.** 2002. Comparative breeding biology of Hen Harrier and Montagu's Harrier: an eight-year study in north-eastern France. *Ibis* 144(1): 94-105.
- Mills, R.T.** 1992. Notes: One Hen Harrier nestling feeding another. *British Birds* 85(4): 186-187.
- Moore, D.R.** 1985. Notes: Hen Harriers hunting at Starling roost. *British Birds* 78(4): 192-193.
- Murphy, S.** 2009. Surprising Dispersal Ecology of Hen Harriers in England. *Tracker News - Microwave Telemetry Inc.* 10(2): 2.
- New, L.F. et al.** 2011. Hen harrier management: insights from demographic models fitted to population data. *Journal of Applied Ecology* 48(5): 1187-1194.
- New, L.F. et al.** 2012. Modelling the impact of hen harrier management measures on a red grouse population in the UK. *Oikos* 121(7): 1061-1072.
- Norriss, D.** 1999. Hen Harrier Survey finds total well down. *Wings* 12: 12.
- Norriss, D.W. et al.** 2002. A national survey of breeding Hen Harriers *Circus cyaneus* in Ireland 1998-2000. *Irish Birds* 7(1): 1-10.
- O'Donoghue, B. et al.** 2011. The hen harrier in Ireland: conservation issues for the 21st century. *Biology and Environment: Proceedings of the Royal Irish Academy* 111B. DOI: 10.3318/BIOE.2011.07.
- O'Donoghue, T.** 2008. Notes: Two male Hen Harriers attending a nest in Co. Kerry. *British Birds* 101(5): 262.
- O'Flynn, W.J.** 1983. Population Changes of the Hen Harrier in Ireland. *Irish Birds* 2(3): 337-343.
- Oliver, P.J.** 1984. Notes: Falcons hunting close to harriers. *British Birds* 77(10): 482.
- Oreel, G.J.** 1974. Eye colour of the Hen Harrier. *British Birds* 67: 517-518.
- Oreel, G.J.** 1979. Hen Harrier *Circus cyaneus* with unstreaked underparts. *Dutch Birding* 1(4): 101.
- Picozzi, N.** 1978. Dispersion, breeding and prey of the Hen Harrier *Circus cyaneus* in Glen Dye, Kincardineshire. *Ibis* 120(4): 498-509.
- Picozzi, N.** 1980. Food, growth, survival and sex ratio of nestling Hen Harrier *Circus c. cyaneus* in Orkney. *Ornis Scandinavica* 11: 1-11.
- Picozzi, N.** 1981. Weight, wing-length and iris colour of Hen Harriers in Orkney. *Bird Study* 28: 159-161.
- Picozzi, N.** 1983. Two hens, but a single nest: an unusual case of polygyny by Hen Harriers in Orkney. *British Birds* 76(3): 123-128.
- Picozzi, N.** 1984. Sex ratio, survival and territorial behaviour of polygynous Hen Harriers *Circus c. cyaneus* in Orkney. *Ibis* 126: 356-365.
- Pitches, A.** 2006. News and comment: Hen Harriers - best season for years but 60% killed illegally. *British Birds* 99(10): 538.
- Pitches, A.** 2009. News and comment: Natural England highlights Hen Harrier nest failures on grouse moors. *British Birds* 102(2): 101-102.
- Pitches, A.** 2011. News and comment: Hen Harriers down to seven pairs in England. *British Birds* 104(1): 50.
- Pitches, A.** 2012. News and comment: English Hen Harriers 'four steps' from extinction. *British Birds* 105(1): 50.
- Pitches, A.** 2013. News and comment: England's Hen Harriers - extinct in 2013? *British Birds* 106(1): 3.
- Pitches, A.** 2014. News and comment: Hen Harriers - the Government responds. *British Birds* 107(10): 576.
- Pitches, A.** 2016. News and comment: Hen Harrier action plan published. *British Birds* 109(2): 73.
- Pitches, A.** 2016. News and comment: 'Tiny handful' of Hen Harriers nest in England in 2016. *British Birds* 109(8): 429.
- Pitches, A.** 2018. News and comment: Nine successful Hen Harriers nests in England in 2018. *British Birds* 111(9): 494-495.
- Prytherch, R.** 1993. Mystery photographs: Female Hen Harrier. *British Birds* 86(4): 174-175.

- Raja, N.A.** *et al.* 1999. The birds of Palas, North-West Frontier Province, Pakistan. *Forktail* 15: 77-85 (80).
- Randon, N.** 2012. Conservation: Decline and fall. *Birdwatch* 245: 22-25.
- Rebecca, G.** *et al.* 2016. The past, current and potential status of breeding Hen Harriers in North-east Scotland. *British Birds* 109(2): 77-95.
- Rebecca, G.W.** 1994. Notes: Hen Harrier laying clutch while still building nest. *British Birds* 87(5): 232-233.
- Redpath, S.** 1990. Notes: Hen Harriers facilitating predation of Red Grouse chicks by Buzzard. *British Birds* 83(3): 116.
- Redpath, S.** *et al.* 2001. Assessing raptor diet: comparing pellets, prey remains, and observational data at Hen Harrier nests. *The Condor* 103(1): 184-188.
- Redpath, S.** *et al.* 2002. Hen harrier foraging success in relation to land use in Scotland. *Animal Conservation* 5: 113-118.
- Redpath, S.M.** *et al.* 2002. Field Vole *Microtus agrestis* abundance and Hen Harrier *Circus cyaneus* diet and breeding in Scotland. *Ibis* 144: E33-E38.
- Redpath, S.M.** *et al.* 2002. Temperature and hen harrier productivity: from local mechanisms to geographical patterns. *Ecography* 25(5): 533-540.
- Riddiford, N.** 1983. Notes: Hen Harrier with rufous-orange underparts. *British Birds* 76(9): 406.
- Ruddock, M. & Dunlop, B.** 2008. Northern Ireland Raptor Study Summary Group Report 2008. *Northern Ireland Bird Report xviii* pp. 115-119.
- Ruddock, M.** *et al.* 2012. *Republic of Ireland National Hen Harrier Survey 2010*. Irish Wildlife Manual, No. 59. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Scharf, W.G.** 1992. The influence of gender and hatching order on growth in Hen Harrier (*Circus cyaneus cyaneus*). *Journal of Raptor Research* 26(3): 192-194.
- Scott, D. & Clarke, R.** 2007. Comparing the success of Hen Harrier *Circus cyaneus* tree nests and ground nests in the Antrim Hills, 1990-2006. *Irish Birds* 8(2): 315-318.
- Scott, D. & Hipkiss, T.** 2006. Tree-nesting behaviour by a polyandrous female Hen Harrier *Circus cyaneus*. *Irish Birds* 8(1): 139-141.
- Scott, D. & McHaffie, P.** 2003. The Demise of a Hen Harrier Roost Site. *Northern Ireland Bird Report 2001* pp. 107-110.
- Scott, D. & McHaffie, P.** 2008. Hen Harrier *Circus cyaneus* killed at windfarm site in County Antrim. *Irish Birds* 8(3): 436-437.
- Scott, D. & McHaffie, P.** 2009. Utilisation of coniferous forest during the winter months by Hen Harriers *Circus cyaneus* in County Antrim. *Irish Birds* 8(4): 630-633.
- Scott, D. & Scott, L.** 2008. Late Displaying of a Male Hen Harrier in a County Antrim Forest. *Northern Ireland Bird Report xviii* pp. 120-121.
- Scott, D.** 1992. Hen Harriers breeding in a tree-nest. *Irish Birding News* 2(2): 64-65.
- Scott, D.** 1993. Winter Roosts of Hen Harriers in Northern Ireland. *Northern Ireland Bird Report 1991-92* pp. 78-79.
- Scott, D.** 1994. Hen Harriers tree nest again in 1993. *Northern Ireland Bird Report 1993* pp. 69-71.
- Scott, D.** 1996. First records of tree roosting by Hen Harriers *Circus cyaneus* in Northern Ireland. *Northern Ireland Bird Report 1994* pp. 84-89.
- Scott, D.** 1996. Hen Harriers in County Wicklow, 1961. *Irish East Coast Report 1995* pp. 66-72.
- Scott, D.** 1998. Records of Albinism in Ireland's Hen Harrier Population. *Northern Ireland Bird Report 1996* pp. 101-106.
- Scott, D.** 1999. Hen Harrier records from Copeland Bird Observatory. *Northern Ireland Bird Report 1997* pp. 101-115.
- Scott, D.** 2000. The Ecology of a Hen Harrier Winter Roost. *Northern Ireland Bird Report 1998* pp. 105-116.
- Scott, D.** 2001. Influx of Short-eared Owls and Hen Harriers into Northern Ireland during 1999. *Northern Ireland Bird Report 1999* pp. 120-127.
- Scott, D.** 2001. Marking a decade of tree nesting by Hen Harriers *Circus cyaneus* in Northern Ireland, 1991-2000. *Irish Birds* 6(4): 586-589.
- Scott, D.** 2002. The Uplands of Antrim - A moorland habitat under threat from humans, and the implications for ground nesting Raptors and other species. *Northern Ireland Bird Report 2000* pp. 98-101.
- Scott, D.** 2004. Four in a row for tree nesting Hen Harriers *C. cyaneus* in 2002. *Irish Birds* 7(3): 440.
- Scott, D.** 2005. The diet of Hen Harriers *Circus cyaneus* in Northern Ireland 1991-2005. *Irish Birds* 7(4): 597-599.

- Scott, D.** 2006. Polygamy - a new phase in Hen Harrier *Circus cyaneus* Ecology. *Northern Ireland Bird Report XVI* pp. 149-151.
- Scott, D.** 2010. Two females and one male, but only a single ground nest: an unusual case of polygyny by Hen Harriers *Circus cyaneus* in County Antrim. *Irish Birds* 9(1): 119-121.
- Scott, D. et al.** 1991. Hen Harriers breeding in a tree-nest. *Irish Birds* 4(3): 413-417.
- Scott, D. et al.** 1992. Hen Harriers successfully breeding in a tree nest of their own construction. *Irish Birds* 4(4): 566-570.
- Sehhatisabet, M.E. et al.** 2006. Further significant extensions of migrant distribution and breeding and wintering ranges in Iran for over sixty species. *Sandgrouse* 28(2): 146-155.
- Sharpe, C.** 2005. Notes: Defence attack by Red Grouse on Hen Harrier. *British Birds* 98(6): 316.
- Sharpe, C.** 2005. Notes: Opportunistic feeding by female Hen Harrier. *British Birds* 98(6): 317.
- Shirihai, H. & Christie, D.A.** 1992. Raptor migration at Eilat. *British Birds* 85(4): 141-186 (168).
- Shrubb, M.** 1983. Notes: Hen Harriers 'playing' at roost. *British Birds* 76(1): 33.
- Sim, I.M.W. et al.** 2001. Status of the Hen Harrier *Circus cyaneus* in the UK and the Isle of Man in 1998. *Bird Study* 48(3): 341-353.
- Simmons, R. et al.** 1987. Reproductive behaviour of *Circus cyaneus* in North America and Europe: a comparison. *Ornis Scandinavica* 18: 33-41.
- Slings, Q.L.** 1981. Large female Hen Harrier trapped at Castricum in November 1980. *Dutch Birding* 3(2): 45.
- Smiddy, P. & Cullen, C.** 2017. Winter diet of the Hen Harrier *Circus cyaneus* in coastal east County Cork. *Irish Birds* 10(4): 523-526.
- Srinivasan, U. et al.** 2010. The birds of Namdapha National Park and surrounding areas: recent significant records and a checklist of the species. *Forktail* 26: 92-116 (110).
- Stagg, A.** 2003. Notes: Unusual hunting method of Hen Harrier. *British Birds* 96(12): 653.
- Stoddart, A.** 2012. Identification: Juvenile Harriers Photo Guide. *Birdwatch* 244: 37-42.
- Stott, M.** 1998. Notes: Hen Harrier breeding success on English grouse moors. *British Birds* 91(3): 107-108.
- Svensson, L.** 1991. Unterschiede zwischen weiblichen Korn- *Circus cyaneus* und Steppenweihen *C. macrourus* [Differences between female Hen and Pallid Harriers]. *Limicola* 5(3): 125-128.
- Tapia, L. et al.** 2004. Modeling habitat use and distribution of Hen Harriers (*Circus Cyaneus*) and Montagu's Harrier (*Circus Pygargus*) in a mountainous area in Galicia, Northwestern Spain. *Journal of Raptor Research* 38(2): 133-140.
- Tapia, L. et al.** 2008. Hunting habitat preferences of raptors in a mountainous area (Northwestern Spain). *Polish Journal of Ecology* 56(2): 323-333.
- Thomas, R.** 2017. The Carl Zeiss Award 2017: Hybrid Hen x Pallid Harrier, Cambridgeshire, October 2011 to February 2012. *British Birds* 110(8): 468 & 470-471.
- Thompson, P.S. et al.** 2009. Resolving the conflict between driven-grouse shooting and conservation of hen harriers. *Journal of Applied Ecology* 46(5): 950-954.
- Thorpe, J.P.** 1988. Juvenile Hen Harriers showing 'Marsh Hawk' characters. *British Birds* 81(8): 377-382.
- Thorpe, J.P.** 1994. Notes: Hen Harrier hunting by 'hedge-hopping'. *British Birds* 87(5): 232 & 234.
- Tilmouth, A.** 2014. Conservation: Day of the Hen Harrier. *Birdwatch* 268: 56-59.
- van Kreuningen, J.** 1980. Hen Harriers *Circus cyaneus* with features of American Hen Harrier *C.c. hudsonius*. *Dutch Birding* 2(1): 10.
- Vinicombe, K.** 2003. Identification: Travelling Circus. *Birdwatch* 135: 24-27.
- Wallace, D.I.M.** 1974. Eye colour of the Hen Harrier. *British Birds* 67: 518.
- Wassink, A. & Oreel, G.J.** 2008. Birds of Kazakhstan: new and interesting data. *Dutch Birding* 30(2): 93-100 (94).
- Watson, A.D. & Dickson, R.C.** 1972. Communal roosting of Hen Harriers in southwest Scotland. *Scottish Birds* 7: 24-49.
- Watson, D.** 1986. Notes: Prolonged aerial encounters between Hen Harriers and Goshawk. *British Birds* 79(2): 89-91.
- Watson, D.** 1991. Hen Harriers breeding in a tree-nest: further comments. *Irish Birds* 4(3): 418-420.
- Wilson, M. et al.** 2006. *The distribution of Hen Harriers in Ireland in relation to land use cover, particularly forest cover*. COFORD, Dublin.
- Wilson, M.W. et al.** 2009. The importance of pre-thicket conifer plantations for nesting Hen Harriers *Circus cyaneus* in Ireland. *Ibis* 151(2): 332-343.
- Wilson, M.W. et al.** 2017. The effects of fieldwork on Hen Harrier *Circus cyaneus* breeding success. *Irish Birds* 10(4): 457-462.

Northern Harrier

Circus hudsonius [Linnaeus].

North America S to NW Mexico & SE Virginia. Winters S to N South America.

Other name: Marsh Hawk.

1st WP Record: [juvenile] 22nd October 1982. Porthellick Down, St. Mary's, Isles of Scilly, England.

Remained in the vicinity and visited several islands until the following 8th June 1983 (Martin 2008).

- Barnard, P. et al.** 1987. Timing of breeding and the seasonal importance of passerine prey to Northern Harriers (*Circus cyaneus*). *Canadian Journal of Zoology* 65: 1942-1946.
- Bildstein, K.L. & Collopy, M.W.** 1985. Escorting flight and agonistic interactions in wintering Northern Harriers. *The Condor* 87: 398-401.
- Bildstein, K.L. & Hamerstrom, F.** 1980. Age and Sex Differences in the Size of Northern Harriers. *Journal of Field Ornithology* 51(4): 356-360.
- Bildstein, K.L.** 1980. Corn cob manipulation in Northern Harriers. *The Wilson Bulletin* 92: 128-130.
- Callahan, D.** 2011. Northern Harrier redux. Northern Harriers: autumn and winter, 2009 and 2010. *Birdwatch* 224: 53-54.
- Christiansen Jr., D.A. & Reinert, S.E.** 1990. Habitat use of the Northern Harrier in a coastal Massachusetts shrubland with notes on population trends in southeastern New England. *Journal of Raptor Research* 24(4): 84-90.
- Collopy, M.W. & Bildstein, K.L.** 1987. Foraging behaviour of Northern Harriers wintering in southeastern salt and freshwater marshes. *The Auk* 104(1): 11-16.
- Corso, A.** 1999. Letters: Identification of Marsh Hawk. *Birding World* 12(2): 82.
- Dobson, A.D.M. & Clarke, M.L.** 2011. Inconsistency in the taxonomy of Hen and Northern Harriers: causes and consequences. *British Birds* 104(4): 192-201.
- Eds.** 2007. Frontispiece: Juvenile Marsh Hawk, Lighthouse Point, New Haven, Connecticut, USA, September 2003 - picture by Julian Hough. *Birding World* 20(9): 353.
- England, M.E.** 1986. Harrir [sic] kills mobbing Willet. *Raptor Research* 20(2): 78-79.
- Forsman, D.** 2016. ID Special: Hen, Northern, Pallid and Montagu's Harriers. *Birdwatch* 285: 45-52.
- Genter, D.L.** 1985. Northern Harrier kills Sandhill Crane. *The Wilson Bulletin* 97(1): 108-109.
- Godfrey Jr., R.D. & Fedynich, A.M.** 1987. Northern Harrier (*Circus cyaneus*) Predation on Wintering Wildfowl. *Journal of Raptor Research* 21(2): 72-73.
- Grant, P.J.** 1980. Identification of American 'Marsh Hawks'. *British Birds* 73: 318.
- Grant, P.J.** 1983. The 'Marsh Hawk' problem. *British Birds* 76(9): 373-376.
- Hik, D.S. et al.** 1986. Northern Harrier predation on Willow Ptarmigan. *The Wilson Bulletin* 98(4): 597-600.
- Kaufman, K.** 1987. Answers to August Photo Quiz - Intermediate: female Northern Harrier. *Birding* XIX(5): 34-35.
- Lewington, I.** 2012. The Otmoor harriers and two more Northern Harriers at Tacumshin. *Birding World* 25(11): 465-468.
- Liguori, J. & Sullivan, B.** 2013. Adult male Northern Harriers: More than meets the eye. *Birding* 45(2): 30-35.
- Martin, J.P.** 2008. From the Rarities Committee's files: 'Northern Harrier' on Scilly: new to Britain. *British Birds* 101(8): 394-407.
- Massey, B.H. et al.** 2009. Habitat Use by Foraging Northern Harriers on Nantucket Island, Massachusetts. *The Wilson Journal of Ornithology* 121(4): 765-769.
- McCurdy, K. et al.** 1995. A large Northern Harrier roost at Fort Sill, Oklahoma. *Bulletin of the Oklahoma Ornithological Society* 28: 25-27.
- Mullarney, K. & Forsman, D.** 2011. Identification of Northern Harriers and vagrants in Ireland, Norfolk and Durham. *Birding World* 23(12): 509-523.
- Pavelka, M.A. et al.** 1992. Northward migration of an adult Northern Harrier (*Circus cyaneus*). *Journal of Raptor Research* 26(3): 196.
- Pitches, A.** 2016. News and comment: Northern Harrier is 599th British bird. *British Birds* 109(2): 76.
- Pyle, P.** 2014. Plumages of second-basic and older Northern Harriers: A circular *Circus*? *Birding* 46(1): 46-53.
- Ribbands, B.** 2017. The Carl Zeiss Award 2017: Northern Harrier, Orkney, April-June 2016. *British Birds* 110(8): 471.
- Rice, W.R.** 1982. Acoustic location of prey by the Marsh Hawk: adaption to concealed prey. *The Auk* 99: 403-413.
- Riddiford, N.** 1983. Notes: Hen Harrier with rufous-orange underparts. *British Birds* 76(9): 406.

- Schmutz, J.K. & Schmutz, S.M.** 1975. Primary molt in *Circus cyaneus* in relation to nest brood events. *The Auk* 92: 105-110.
- Scott, M.** 2011. Mob-handed harrier. Northern Harrier: Lewis, Outer Hebrides, from 8 February 2011. *Birdwatch* 226: 55.
- Simmons, R. et al.** 1987. Reproductive behaviour of *Circus cyaneus* in North America and Europe: a comparison. *Ornis Scandinavica* 18: 33-41.
- Simmons, R.E. & Smith, P.C.** 1985. Do Northern Harriers (*Circus cyaneus*) choose nest sites adaptively? *Canadian Journal of Zoology* 63: 494-498.
- Simmons, R.E.** 1984. Do Northern Harriers lay replacement clutches? *Raptor Research* 18: 103-106.
- Simmons, R.E.** 1988. Food and the deceptive acquisition of mates by polygynous male harriers. *Behavioural Ecology & Sociobiology* 23(2): 83-92.
- Simmons, R.E.** 1988. Honest advertising, sexual selection, display frequency and body condition of polygynous male harriers. *The Auk* 105: 303-307.
- Simmons, R.E. et al.** 1986. Hierarchies among Northern Harrier (*Circus cyaneus*) harems and the costs of polygyny. *Journal of Animal Ecology* 55: 755-772.
- Simmons, R.E. et al.** 1986. The influence of microtines on polygyny, productivity, age and provisioning of Northern Harriers: a five-year study. *Canadian Journal of Zoology* 64: 2447-2456.
- Simmons, R.E.** How polygynous female Northern Harriers *Circus cyaneus* choose their mates and why they are deceived (extended abstract), pp. 243-246. Found in: **Meyburg, B-U. & Chancellor, R.D.** (eds.) 1989. *Raptors in the Modern World*. World Working Group on Birds of Prey; Berlin.
- Sutherland, J.E.** 1987. *The predation ecology of the Northern Harrier (Circus cyaneus hudsonius) on Mallard Island, North Dakota*. MS thesis. University of North Dakota, Grand Forks, North Dakota, U.S.A.
- Thompson, S.P. & Cornely, J.E.** 1982. Nest provisioning behavior by a male Northern Harrier on the death of his mate. *The Wilson Bulletin* 94(4): 564-565.
- Thorpe, J.P.** 1988. Juvenile Hen Harriers showing 'Marsh Hawk' characters. *British Birds* 81(8): 377-382.
- Wallace, D.I.M.** 1971. American Marsh Hawk in Norfolk. *British Birds* 64: 537-542.
- Wallace, D.I.M.** 1972. Eye colour of immature American Marsh Hawk. *British Birds* 65: 358-359.
- Wallace, D.I.M.** 1999. Identification forum: Marsh hawk - the end of a 41-year hunt? *Birding World* 11(12): 454-457.
- Weller, M.W. et al.** 1955. Winter roosts of Marsh Hawks and Short-eared Owls in Central Missouri. *The Wilson Bulletin* 67: 189-193.
- White, S.** 2011. A sound harrier? Putative Northern Harrier: various sites in north Norfolk, from 27 October 2010. *Birdwatch* 223: 50-51.
- Wittenberg, S.R. & Smith, K.G.** 2009. Lack of Differential Migration in Juvenile Merlins and Northern Harriers During Fall Migration in the Florida Keys. *The Wilson Journal of Ornithology* 121(4): 841-843.

Cinereous Harrier

Circus cinereus [Vieillot].

Colombia & Ecuador above the treeline S thru Peru, Bolivia & Paraguay to extreme S Brazil & Tierra del Fuego and Falkland Islands.

- Amadon, D.** 1961. Relationships of the Cinereous Harrier. *The Auk* 78: 256-257.
- Bó, M.S. et al.** 2000. Diet of breeding Cinereous Harriers (*Circus cinereus*) in southeastern Buenos Aires Province, Argentina. *Journal of Raptor Research* 34(3): 237-241.
- Donázar, J.A. et al.** 1996. Nesting Association of Raptors and Buff-necked Ibis in the Argentinean Patagonia. *Colonial Waterbirds* 19(1): 111-115.
- Figuroa, R.A. & Corales, E.S.** 1999. Food habits of the Cinereous Harrier (*Circus cinereus*) in the Araucanía, Southern Chile. *Journal of Raptor Research* 33(3): 264-267.
- Henry, P-Y. & Aznar, J.C.** 2009. Eco-climatic correlates of occurrences of the White-throated Hawk (*Buteo albigula*) and the Cinereous Harrier (*Circus cinereus*) in central Ecuador. *Ornitología Neotropical* 20: 511-521.
- Iriarte, J.A. et al.** 1990. Diets of sympatric raptors in southern Chile. *Journal of Raptor Research* 24(3): 41-46.
- Jaksic, F.M. & Jimenez, J.E.** 1986. The Conservation Status of Raptors in Chile. *Birds of Prey Bulletin No. 3* pp. 95-104.
- Jaksic, F.M. et al.** 2002. The raptors of Torres del Paine National Park, Chile: biodiversity and conservation. *Revista Chilena de Historia Natural* 75(2): 449-461 (452).

- Jimenez, J.E. & Jaksic, F.M.** 1988. Ecology and behavior of southern South American Cinereous Harriers, *Circus cinereus*. *Revista Chilena de Historia Natural* 61: 199-208.
- Schjolberg, K. & Sunde, K.B.** 2006. Patagonia. *Alula* 12(3): 98-109 (105).
- van Grouw, H. & Steinheimer, F.D.** 2008. Charles Darwin's lost Cinereous Harrier found in the collection of the National Museum of Natural History Leiden. *Zoologische Mededelingen Leiden* 82(48): 595-598.

Pallid Harrier

Circus macrourus [S.G. Gmelin].

Ukraine & SW Russia E to L Balkash region, NW China and perhaps N Mongolia and occasionally Sweden & Germany. Winters Africa S of Sahara and Pakistan, India & Sri Lanka E to S China and irregularly to E China.

- Allison, G. & Bradshaw, C.** 2002. The Pallid Harrier in Kent. *Birding World* 15(8): 328-331.
- Akhtar, S.A.** 1994. Harriers in the Velavadar National Park. District Bhavnagar, Gujarat, India, winter 1992/93. *The Raptor* 5: 51-56.
- BirdLife International** 2003. *International Action Plan for the Pallid Harrier (Circus macrourus)*. Proceedings of the 23rd meeting of the Standing Committee, December 1–4, 2003, Strasbourg, France.
- Bradshaw, C.** 2002. Reports: Pallid eventually clinched. *Birdwatch* 124: 50-51.
- Brooks, R.** 2017. Rare lunch break ringtail. Pallid Harrier: various sites in north Norfolk, from 24 February 2016. *Birdwatch* 298: 6-7.
- Buij, R.** 2012. Pallid Harrier *Circus macrourus* bird hunting behaviour and capture success in northern Cameroon. *Ostrich* 83(1): 27-32.
- Clark, W.S.** 1997. Identification of peached Montagu's and Pallid harriers. *Birding World* 10(7): 267-269.
- Clarke, R.** 1997. Notes: Desert-roosting by harriers. *British Birds* 90(7): 286-287.
- Clarke, R. et al.** 1998. World record count of roosting harriers *Circus* in Blackbuck National Park, Velavadar, Gujarat, north-west India. *Forktail* 14: 70-71.
- Coombes, D.** 2011. Pallid hat-trick. Pallid Harrier: Tacumshin, Co. Wexford, from 30 August 2011. *Birdwatch* 232: 70.
- Combridge, P. & Combridge, S.** 2008. Notes: Aerial food pass by Pallid Harrier at winter roost. *British Birds* 101(2): 93-94.
- Corso, A. & Cardelli, C.** 2004. The migration of Pallid Harrier across the central Mediterranean, with particular reference to the Strait of Messina. *British Birds* 97(5): 238-246.
- Corso, A.** 2005. Letters: Pallid Harrier migration through the central Mediterranean. *British Birds* 98(3): 155.
- Corso, A. et al.** 2013. Notes: Raptor migration at the Pelagie Islands. *British Birds* 106(3): 167-170 (169).
- Cox, S.** 1991. Mystery photographs: 2nd year female Pallid Harrier. *British Birds* 84(10): 421-422.
- Davygora, A.V. & Belik, V.P.** The pallid harrier *Circus macrourus* as an endangered species in the Palearctic, pp. 93-96. Found in: **Meyburg, B.-U. & Chancellor, R.D.** (eds.) 1994. *Raptor Conservation Today: Proceedings of the IV World Conference on Birds of Prey and Owls*. WWGBP, Berlin, London and Paris.
- de Heer, P. & Hazevoet, C.J.** 1987. Steppekiekendief op Schiermonnikoog in april-mei 1985 [Pallid Harrier on Schiermonnikoog in April-May 1985]. *Dutch Birding* 9(1): 21-24.
- Eds.** 2012. Roving harrier: Pallid Harrier: Blakeney Point, Norfolk, 5 May 2012. *Birdwatch* 240: 70.
- Fairclough, K.** 1995. The Pallid Harrier in Orkney. *Birding World* 8(7): 253-255.
- Flint, P.** 2007. Letters: Pallid Harrier migration through Cyprus. *British Birds* 97(9): 477-478.
- Forrester, R.W.** 1998. Amendments to the Scottish List. *Scottish Birds* 19(5): 259-261 (259).
- Forsman, D. & Erterius, D.** 2012. Pallid Harriers in northwest Europe and the identification of presumed Pallid x Hen Harrier hybrids. *Birding World* 25(2): 68-75.
- Forsman, D.** 1993. Hybridising harriers. *Birding World* 6(8): 313.
- Forsman, D.** 1995. Field identification of female and juvenile Montagu's and Pallid Harriers. *Dutch Birding* 17(2): 41-54.
- Forsman, D.** 1995. The Stiffkey harrier. *Birding World* 8(11): 420-421.
- Forsman, D.** 1995. Male Pallid and female Montagu's Harrier raising hybrid young in Finland in 1993. *Dutch Birding* 17(3): 102-106.
- Forsman, D.** 1996. Nuorten ja naaraspukuisten sini-, niitty- ja arosuohaukkojen tunnistaminen [How to separate ringtail Hen, Montagu's and Pallid Harriers]. *Alula* 2(4): 152-159.

- Forsman, D.** 2009. Hybrid harriers on the move. *Birding World* 22(11): 469-470.
- Forsman, D.** 2012. Featured photographer: Raptor rapture. *Birdwatch* 246: 44-46 (46).
- Forsman, D.** 2016. ID Special: Hen, Northern, Pallid and Montagu's Harriers. *Birdwatch* 285: 45-52.
- Gilroy, J. et al.** 2003. British vagrants: Silver linings. *Birdwatch* 132: 32-35.
- Harrop, H.** 1993. The Pallid Harrier in Scotland. *Birding World* 6(10): 397.
- Harvey, P.** 2001. The Pallid Harrier on Shetland. *Birding World* 14(9): 374-375.
- Hazevoet, C.J.** 1999. Fourth report on birds from the Cape Verde Islands, including notes on the conservation and records of 11 new to the archipelago. *Bulletin Zoologisch Museum* 17(3): 19-32 (26).
- Henry, M.** 2018. The changing status of the Pallid Harrier in western Europe. *British Birds* 111(12): 744-760.
- Hill, V.** 2013. Backyard Pallid. Pallid Harrier: Ripley, Surrey, 31 March 2013. *Birdwatch* 251: 60-61.
- Johnson, R. & Votier, S.** 2003. The Pallid Harrier in Norfolk. *Birding World* 16(1): 14-15.
- King, B.** 1983. New bird distribution data for Burma. *Natural History Bulletin of the Siam Society* 31: 55-62 (56).
- Kylänpää, J.** 2000. Birds of Dera Ismail Khan District of North West Frontier Province in Pakistan. *Forktail* 16: 15-28 (21).
- Lamont, A.R. & Morgan, J.A.L.** 2000. Pallid Harrier *Circus macrourus* the first record for Peninsular Malaysia. *Forktail* 16: 174.
- Lontkowski, J. & Skakuj, M.** 1996. Identification: Dead ringers. *Birdwatch* 47: 23-29.
- Lontkowski, J. & von Michal Skakuj, F.** 1995. Die Unterscheidung von Korn- *Circus cyaneus*, Wiesen- *C. pygargus* und Steppenweihe *C. macrourus* [Identification of Hen, Montagu's and Pallid Harriers]. *Limicola* 9(5): 233-275.
- Michev, T. et al.** 2011. The autumn migration of soaring birds at Bourgas Bay, Bulgaria. *British Birds* 104(1): 16-37 (28).
- Navarro, A.** 1962. Pale Harrier, *Circus macrourus* (Gmelin) taking a Pond Heron *Ardeola grayii* (Sykes). *Journal of the Bombay Natural History Society* 59: 653.
- Ollé, À. et al.** 2015. A review of occurrences of the Pallid Harrier *Circus macrourus* in the Western Mediterranean: a new migrant and wintering species. *Revista Catalana d'Ornitologia* 31: 7-14.
- Panuccio, M. & Agostini, N.** 2006. Spring migration of Pallid (*Circus macrourus*) and Montagu's Harriers (*Circus pygargus*) in relation to sex and age classes at two watchsites of the Central Mediterranean. *Buteo* 15: 3-10.
- Phillips, R.** 2010. Harrier goldmine. Pallid Harrier: Sennen, Cornwall, 4 December 2009-25 January 2010. *Birdwatch* 213: 52-53.
- Pleasance, B.** 1997. Pallid Harrier *Circus macrourus* breeding in Central Turkey. *Sandgrouse* 19(2): 144-145.
- Samwald, O.** 1990. Foto-Folge 5: Steppenweihe *Circus macrourus* [Photo Sequence 5: Pallid Harrier]. *Limicola* 4(6): 316-319.
- Shirihai, H. & Christie, D.A.** 1992. Raptor migration at Eilat. *British Birds* 85(4): 141-186 (164).
- Singh, A.P.** 2000. Birds of lower Garhwal Himalayas: Dehra Dun valley and neighbouring hills. *Forktail* 16: 101-123 (103).
- Spaar, R. & Bruderer, B.** 1997. Migration by flapping or soaring: flight strategies of Marsh, Montagu's and Pallid Harriers in southern Israel. *The Condor* 99(2): 458-469.
- Srinivasan, U. et al.** 2010. The birds of Namdapha National Park and surrounding areas: recent significant records and a checklist of the species. *Forktail* 26: 92-116 (110).
- Stoddart, A.** 2012. Identification: Juvenile Harriers Photo Guide. *Birdwatch* 244: 37-42.
- Svensson, L.** 1991. Unterschiede zwischen weiblichen Korn- *Circus cyaneus* und Steppenweihen *C. macrourus* [Differences between female Hen and Pallid Harriers]. *Limicola* 5(3): 125-128.
- Terraube, J. et al.** 2009. Breeding biology of the pallid harrier *Circus macrourus* in north-central Kazakhstan: implications for the conservation of a Near Threatened species. *Oryx* 43(1): 104-112.
- Terraube, J. et al.** 2012. Broad wintering range and intercontinental migratory divide within a core population of the near-threatened Pallid Harrier. *Diversity and Distributions* 18(4): 401-409.
- Thomas, R.** 2017. The Carl Zeiss Award 2017: Hybrid Hen x Pallid Harrier, Cambridgeshire, October 2011 to February 2012. *British Birds* 110(8): 468 & 470-471.
- van Ijzendoorn, E.J.** 1985. Steppiekiekendief bij Bergen op Zoom in oktober 1984 [Pallid Harrier at Bergen op Zoom in October 1984]. *Dutch Birding* 7(1): 22-25.
- Verma, A. & Sharma, D.** 2013. Some observations of the Pallid Harrier *Circus macrourus* from Keoladeo National Park, Rajasthan, India. *Indian BIRDS* 8(2): 33-36.
- Wassink, A.** 1979. Steppiekiekendief *Circus macrourus* bij Wassenaar in 1978 [Pallid Harrier near Wassenaar in 1978]. *Dutch Birding* 1(4): 102-103.

Pied Harrier

Circus melanoleucos [Pennant].

S Siberia & Mongolia E to Amurland, Manchuria & N Korea and occasionally N Myanmar & Assam (NE India). Winters India & Sri Lanka E to S China, Borneo & Philippines.

- Armadon, D.** 1978. Remarks on the taxonomy of some Australasian Raptors. *Emu* 78(3): 115-118.
- Bakewell, D.N. et al.** 1988. Some notes on 'Ringtail' Harriers occurring in Hong Kong. *Hong Kong Bird Report 1987* pp. 64-75 (67-69).
- Clarke, W.S. & Khan, A.A.** 1994. Sightings of two rare raptors, Lesser Spotted Eagle *Aquila pomarina* and Pied Harrier *Circus melanoleucos*, in Pakistan. *Forktail* 10: 173-175.
- Dickinson, E.C.** 1986. Does the Pied Harrier *Circus melanoleucos* breed in the Philippines. *Forktail* 1: 85-86.
- Harrap, S.** 2003. Potential eastern vagrants: a photo gallery. *Birding World* 16(8): 342-346 (plate 1, p. 342).
- Holmes, J.** 2006. Myanmar - a trip to see endemics. *Alula* 12(1): 10-17 (14).
- Iqbal, M. & Giyanto, G.** 2010. Possible range expansion of wintering Pied Harriers '*Circus melanoleucos*' into the Southern Hemisphere. *Australian Field Ornithology* 27(1): 33.
- Iqbal, M.** 2005. New and noteworthy bird records from Sumatra, Indonesia. *Forktail* 21: 167-169 (168).
- Javad, S. & Rahmani, A.R.** 1998. Conservation of the Avifauna of Dudwa National Park, India. *Forktail* 14: 57-66.
- Javad, S.** 2000. A pied harrier (*Circus melanoleucos*) roost in Sohagi-Barwa Wildlife Sanctuary, Maharajganj, Uttar Pradesh, India. *Journal of the Bombay Natural History Society* 97(2): 276.
- Knystautas, A.J.** 1992. Birds in the CIS - Birds of the wetlands. *Dutch Birding* 14(1): 19-22 (plate 19, p. 19).
- Moore, N.** 2007. Selected records from Socheong Island, South Korea. *Forktail* 23: 102-124 (107).
- Narayan, G & Rosalind, L.** 1991. New record of the Pied Harrier, *Circus melanoleucos* (Pennant) breeding in Assam Duars, with a brief review of its distribution. *Journal of the Bombay Natural History Society* 88(1): 30-34.
- Neufeldt, I.A.** 1967. Notes on the nidification of the Pied Harrier *Circus melanoleucos* (Pennant), in Amurland, USSR. *Journal of the Bombay Natural History Society* 64(2): 284-306.
- Rahmani, A.R.** 1988. A Pied Harrier, *Circus melanoleucos* in Northwest Madhya Pradesh. *Journal of the Bombay Natural History Society* 85: 419- 420.
- Tordoff, A.W.** 2002. Raptor migration at Hoang Lien Nature Reserve, northern Vietnam. *Forktail* 18: 45-48 (46).
- van der Linde, M.** 1995. A new breeding species for the Philippines: the Pied Harrier *Circus melanoleucos*. *Forktail* 11: 172-173.
- Vyas, R.** 1992. Pied Harrier, *Circus melanoleucos* (Pennant) in southeast Rajasthan. *Journal of the Bombay Natural History Society* 89: 248.

Montagu's Harrier

Circus pygargus [Linnaeus].

NW Africa and S & C Europe E thru Caspian lowlands to Kazakhstan & upper R Yenisey. Winters sub-Saharan Africa and Indian subcontinent & Sri Lanka.

Col. George Montagu (1753-1815), British Army, served in the war against the American Colonies and later retired to Devon where he devoted himself to the study of the local wildlife.

- Akhtar, S.A.** 1994. Harriers in the Velavadar National Park. District Bhavnagar, Gujarat, India, winter 1992/93. *The Raptor* 5: 51-56.
- Amar, A. et al.** 2000. Post-fledging dependency and dispersal in hacked and wild Montagu's Harriers *Circus pygargus*. *Ibis* 142: 21-28.
- Anderson, A.** 1963. Montagu's Harrier in Aberdeenshire. *Scottish Birds* 2: 478.
- Arroyo, B.** 2002. Sex-biased nestling mortality in the Montagu's Harrier *Circus pygargus*. *Journal of Avian Biology* 33(4): 455-460.
- Arroyo, B. et al.** 2001. Colonial breeding and nest defence in Montagu's Harrier (*Circus pygargus*). *Behavioral Ecology and Sociobiology* 50(2): 109-115.
- Arroyo, B. et al.** 2002. Conservation of the Montagu's Harrier (*Circus pygargus*) in agricultural areas. *Animal Conservation* 5(4): 283-290.
- Arroyo, B.E. & King, J.R.** 1995. Observations on the ecology of Montagu's and Marsh harriers wintering in north-west Senegal. *Ostrich* 66: 37-40.

- Arroyo, B.E. & King, J.R.** 1996. Age and sex differences in moult of the Montagu's Harrier. *Journal of Raptor Research* 30: 224-233.
- Arroyo, B.E.** 1997. Diet of Montagu's Harrier *Circus pygargus* in central Spain: analysis of temporal and geographic variation. *Ibis* 139(4): 664-672.
- Arroyo, B.E.** 1999. Copulatory behavior of semi-colonial Montagu's Harriers. *The Condor* 101(2): 340-346.
- Billett, D.F. & Rees, G.H.** 1984. Notes: Falcons hunting close to harriers. *British Birds* 77(10): 482.
- Bindrich, F.** 2002. A dark morph Montagu's Harrier. *Birding World* 15(6): 253.
- Butet, A. & Leroux, A.B.A.** 1993. Effect of prey on a predator's breeding success. A 7-year study on Common Vole (*Microtus arvalis*) and Montagu's Harrier (*Circus pygargus*) in a west France marsh. *Acta Oecologica* 14(6): 857-865.
- Butet, A. & Leroux, A.B.A.** 2001. Effects of agriculture development on vole dynamics and conservation of Montagu's Harrier in western French wetlands. *Biological Conservation* 100(3): 289-295.
- Clark, W.S.** 1988. Mystery photographs: Unusual male Montagu's Harrier. *British Birds* 81(6): 278-281.
- Clark, W.S.** 1992. Dark-morph Montagu's Harrier. *Dutch Birding* 14(5): 178-179.
- Clark, W.S.** 1997. Identification of peached Montagu's and Pallid harriers. *Birding World* 10(7): 267-269.
- Clarke, R.** 1997. Notes: Desert-roosting by harriers. *British Birds* 90(7): 286-287.
- Clarke, R. et al.** 1998. World record count of roosting harriers *Circus* in Blackbuck national Park, Velavadar, Gujarat, north-west India. *Forktail* 14: 70-71.
- Conzemius, T.** 2002. Rätselvogel 89: Wiesenweihe *Circus pygargus* [Mystery Bird 89: Montagu's Harrier]. *Limicola* 16(3): 185-186.
- Cormier, J-P. & Baillon, F.** 1991. Concentration de Busards cendres *Circus pygargus* (L.) dans la region de M'bour (Senegal) durant l'hiver 1988-1989 [Concentrations of Montagu's Harriers *Circus pygargus* (L.) in M'bour (Senegal) during the winter of 1988-1989]. *Alauda* 59: 163-168.
- Corso, A.** 1999. Sexing of juvenile Montagu's Harrier. *Dutch Birding* 21(4): 189-192.
- Corso, A. et al.** 2013. Notes: Raptor migration at the Pelagie Islands. *British Birds* 106(3): 167-170 (169).
- Durbin, C. & Image, B.** 1993. Helping harriers to fight back. *Birdwatch* 2(1): 12.
- England, M.D.** 1976. Montagu's Harrier retrieving displaced nestling. *British Birds* 69: 499.
- Everett, M.J.** 1991. Notes: Melanistic Montagu's Harrier. *British Birds* 84(10): 438-439.
- Ferns, P.N. & Hinsley, S.A.** 1994. Effects of raptors on the activities of Sandgrouse. *Journal of Raptor Research* 28(4): 236-241.
- Forsman, D. & Peltomäki, J.** 2007. Hybrids Between Pallid and Hen Harriers - A New Headache of Birders? *Alula* 13(4): 178-182.
- Forsman, D.** 1993. Hybridising harriers. *Birding World* 6(8): 313.
- Forsman, D.** 1995. Field identification of female and juvenile Montagu's and Pallid Harriers. *Dutch Birding* 17(2): 41-54.
- Forsman, D.** 1995. Male Pallid and female Montagu's Harrier raising hybrid young in Finland in 1993. *Dutch Birding* 17(3): 102-106.
- Forsman, D.** 1996. Nuorten ja naaraspukuisten sini-, niitty- ja arosuohaukkojen tunnistaminen [How to separate ringtail Hen, Montagu's and Pallid Harriers]. *Alula* 2(4): 152-159.
- Forsman, D.** 2003. Photospot: Dark morph Montagu's Harrier. *Birding World* 16(6): 258-259.
- Forsman, D.** 2012. Featured photographer: Raptor rapture. *Birdwatch* 246: 44-46 (46).
- Forsman, D.** 2016. ID Special: Hen, Northern, Pallid and Montagu's Harriers. *Birdwatch* 285: 45-52.
- García, J.T. & Arroyo, B.** 1998. Migratory movements of western European Montagu's Harrier *Circus pygargus*: a review. *Bird Study* 45: 188-194.
- Hazevoet, C.J.** 1999. Fourth report on birds from the Cape Verde Islands, including notes on the conservation and records of 11 new to the archipelago. *Bulletin Zoölogisch Museum* 17(3): 19-32 (26).
- Hewitt, S.** 2013. Avian drop-catch play: a review. *British Birds* 106(4): 206-216 (207-208).
- Hume, R.A.** 1982. Notes: Male Montagu's Harrier with broad white rump-patch. *British Birds* 75(9): 423.
- Holt, P.** 2001. Monthly Marathon Solution: Montagu's Harrier. *British Birds* 94(8): 398.
- Image, B.** 1992. Notes: Montagu's Harrier taking prey disturbed by farm machinery. *British Birds* 85(10): 559.
- Jones, P.H. & Colling, A.W.** 1984. Breeding and protection of Montagu's Harriers in Anglessey, 1955-64. *British Birds* 77(2): 41-46.

- Komi, P.** 2008. More dark morph Montagu's Harriers in Spain. *Birding World* 21(3): 117-120.
- Kylänpää, J.** 2000. Birds of Dera Ismail Khan District of North West Frontier Province in Pakistan. *Forktail* 16: 15-28 (21).
- Leroux, A. & Bretagnolle, V.** 1996. Sex ratio variations in broods of Montagu's Harriers *Circus pygargus*. *Journal of Avian Biology* 27(1): 63-69.
- Lontkowski, J. & Skakuj, M.** 1996. Identification: Dead ringers. *Birdwatch* 47: 23-29.
- Lontkowski, J. & von Michal Skakuj, F.** 1995. Die Unterscheidung von Korn- *Circus cyaneus*, Wiesen- *C. pygargus* und Steppenweihe *C. macrourus* [Identification of Hen, Montagu's and Pallid Harriers]. *Limicola* 9(5): 233-275.
- Mauer, K.A.** 1996. Mystery photographs: second-calendar year male Montagu's Harrier. *Dutch Birding* 18(3): 137.
- Michev, T. et al.** 2011. The autumn migration of soaring birds at Bourgas Bay, Bulgaria. *British Birds* 104(1): 16-37 (29).
- Millon, A. et al.** 2002. Comparative breeding biology of Hen Harrier and Montagu's Harrier: an eight-year study in north-eastern France. *Ibis* 144(1): 94-105.
- Moss, S.** 1997. First Principles - Bird of the month (Montagu's Harrier). *Birdwatch* 61: 41.
- Mougeov, F. et al.** 2001. Decoy presentations as a means to manipulate the risk of extrapair copulation: an experimental study in a semicolonial raptor, the Montagu's harrier (*Circus pygargus*). *Behavioral Ecology* 12(1): 1-7.
- Pandolfi, M.** 1996. Play activity in young Montagu's Harriers *Circus pygargus*. *The Auk* 113: 935-938.
- Panuccio, M. & Agostini, N.** 2006. Spring migration of Pallid (*Circus macrourus*) and Montagu's Harriers (*Circus pygargus*) in relation to sex and age classes at two watchsites of the Central Mediterranean. *Buteo* 15: 3-10.
- Panuccio, M. et al.** 2005. Autumn migration strategies of Honey Buzzards, Black Kites, Marsh and Montagu's Harriers over land and over water in the central Mediterranean. *Avocetta* 29: 27-32.
- Pomarol, M.** 1994. Releasing Montagu's Harrier (*Circus pygargus*) by the method of hacking. *Journal of Raptor Research* 28(1): 19-22.
- Sehhatiasabet, M.E. et al.** 2006. Further significant extensions of migrant distribution and breeding and wintering ranges in Iran for over sixty species. *Sandgrouse* 28(2): 146-155.
- Shirihai, H. & Christie, D.A.** 1992. Raptor migration at Eilat. *British Birds* 85(4): 141-186 (166).
- Soutullo, A. et al.** 2006. Density-dependent regulation of population size in colonial breeders: Allee and buffer effects in the migratory Montagu's Harrier. *Oecologia* 149(3): 543-552.
- Spaar, R. & Bruderer, B.** 1997. Migration by flapping or soaring: flight strategies of Marsh, Montagu's and Pallid Harriers in southern Israel. *The Condor* 99(2): 458-469.
- Stoddart, A.** 2012. Identification: Juvenile Harriers Photo Guide. *Birdwatch* 244: 37-42.
- Sutherby, J.S.** 1995. Notes: Interreaction between Montagu's Harrier and Red Fox. *British Birds* 88(9): 424.
- Tapia, L. et al.** 2004. Modeling habitat use and distribution of Hen Harriers (*Circus Cyaneus*) and Montagu's Harrier (*Circus Pygargus*) in a mountainous area in Galicia, Northwestern Spain. *Journal of Raptor Research* 38(2): 133-140.
- Tapia, L. et al.** 2008. Hunting habitat preferences of raptors in a mountainous area (Northwestern Spain). *Polish Journal of Ecology* 56(2): 323-333.
- Thomas, M.** 2008. A dark morph Montagu's Harrier in Bedfordshire. *Birding World* 21(5): 201.
- Thomas, M.** 2008. Raptors: Black magic Monty's. *Birdwatch* 193: 28-29.
- Underhill-Day, J.C.** 1993. The foods and feeding rates of Montagu's Harriers *Circus pygargus* breeding in arable farmland. *Bird Study* 40(1): 74-80.
- van den Berg, A. & de Roeber, J.W.** 1983. Melanistic Montagu's Harrier. *Dutch Birding* 5(4): 88-89.
- Wiacek, J.** 2006. Food transfer in Montagu's Harrier *Circus pygargus* during courtship. *Acta Ornithologica* 41(1): 88-91.
- Wilkinson, D.M.** 1984. Letters: Possible climatic controls on British population of Montagu's Harrier. *British Birds* 77(10): 492-493.
- Wynn, R.** 2003. A dark morph Montagu's Harrier in Hampshire and Norfolk. *Birding World* 16(6): 257.