

EMR and birds:
published papers in peer-reviewed scientific journals,
that show (possible) EMR effect

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Education: M.Sc. in Biology (University of Ghent) Speciality: Ornithology, Ecology, Remote Sensing.

Current work: [Research Institute for Nature and Forest \(INBO\)](#). Environmental Vulnerability Maps, Environmental Impact Assessments, Impact of wind turbines, communication towers and power lines on birds and bats.

(Click on title. It will take you to the abstract of each paper.)

Review Paper

[The effects of electromagnetic fields from power lines on avian reproductive biology and physiology: a review](#)

Fernie and Reynolds. (2005) Journal of Toxicology and Environmental Health, part B, 8:127-140

Papers about possible effects of electromagnetic radiation from mobile phone base stations on birds in the wild

[A possible effect of electromagnetic radiation from mobile phone base stations on the number of breeding House Sparrows \(*Passer domesticus*\)](#)

Joris Everaert and Dirk Bauwens. (2007) Electromagnetic Biology and Medicine 26:63-72

[The urban decline of the House Sparrow \(*Passer domesticus*\): a possible link with electromagnetic radiation](#)

Alfonso Balmori and Örjan Hallberg (2007)

Electromagnetic Biology and Medicine 26:141-151

Possible Effects of Electromagnetic Fields from Phone Masts on a Population of White Stork (*Ciconia ciconia*)

Alfonso Balmori (2005)

Electromagnetic Biology and Medicine 24:109-119

Other papers about possible effects of electromagnetic radiation on birds

Effect of Microwave Radiation on Birds

Tanner (1966) Nature 210:636

Non-thermal Effects of Microwave Radiation on Birds

Tanner et al. (1967) Nature 216:1139

Responses of neurons to an amplitude modulated microwave stimulus

Beason and Semm (2002) Neuroscience Letters 333:175-178

The effects of microwave radiation on avian dominance behavior

Wasserman et al. (1984) Bioelectromagnetics 5:331-339

The effects of electromagnetic fields from power lines on avian reproductive biology and physiology: a review

Fernie and Reynolds (2005) Journal of Toxicology and Environmental Health, part B, 8:127-140

The effect of pulsed and sinusoidal magnetic fields on the morphology of developing chick embryos

Farrell et al. (1997) Bioelectromagnetics 18:431-438

Biological effects of mobile phone electromagnetic field on chick embryo (risk assessment using the mortality rate)

Grigor'ev IuG (2003) Radiatsionnaia biologii, radioecologia 43:541-543

The properties of bird feathers as converse piezoelectric transducers and as receptors of microwave radiation. I. Bird feathers as converse piezoelectric transducers

Bigu-del-Blanco and Romero-Sierra (1975) Biotelemetry 2:341-353

The properties of bird feathers as converse piezoelectric transducers and as receptors of microwave radiation. II. Bird feathers as dielectric receptors of microwave radiation

Bigu-del-Blanco and Romero-Sierra (1975) Biotelemetry 2:354-634

Resonance effects indicate radical pair mechanism for avian magnetic compass

Ritz et al. (2004) Nature 429:177-180

Magnetic orientation and magnetoreception in birds and other animals

Wiltschko and Wiltschko (2005) Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology 191:675-693

Magnetoreception and its use in bird navigation

Mouritsen and Ritz (2005) Current Opinion in Neurobiology 15:406-414

Magnetic compass orientation of migratory birds in the presence of a 1.315 MHz oscillating field

Thalau et al. (2005) Naturwissenschaften 92:86-90

Calibration of magnetic and celestial compass cues in migratory birds--a review of cue-conflict experiments

Muheim et al. (2006) The Journal of experimental biology 209:2-17

[The physics and neurobiology of magnetoreception](#)

Johnsen and Lohmann (2005) Nature Reviews 6:703-712

Magnetite-based magnetoreception: the effect of repeated pulsing on the orientation of migratory birds

Wiltschko et al. (2007) Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology 193:515-522

Magnetoreception

Wiltschko and Wiltschko (2006) Bioessays 28:157-168

Microwave absorption by magnetite: a possible mechanism for coupling nonthermal levels of radiation to biological systems

Kirschvink (1996) Bioelectromagnetics 17:187-194

[Influence of radar radiation on breeding biology of Tits \(Parus sp.\)](#)

Rejt et al. (2007) Electromagnetic Biology and Medicine 26:235-238

EMR and birds: published scientific reports

Bees, birds and mankind, Destroying Nature by Electrosmog

U. Warnke

Mobile telephony radiation radiation on living organisms

