



## Spotlight on EMF Research

# Literaturliste 2024/2 (08.2023 bis 05.2024)

Dies ist die Liste der zwischen August 2023 und Mai 2024 gesichteten Publikationen, aus denen Artikel ausgewählt wurden, um sie im Rahmen von „Spotlight on EMF Research“ zu besprechen. Die Liste ist nach Kategorien (= Frequenzbereichen, Studiendesign) und anschließend nach Namen sortiert. Die Zahl in Klammern gibt die Menge der Publikationen in der jeweiligen Kategorie an.

Informationen über „Spotlight on EMF Research“ finden Sie auf der BfS-Homepage.

This is the list of publications screened between August 2023 and May 2024, from which we selected articles to be reviewed in our „Spotlight on EMF Research“ series. The list is sorted by category (= frequency range, study design) and on a second level by name. The number of publications in a specific category is given in parantheses.

Please find more information on „Spotlight on EMF Research“ on the BfS website.

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### across frequencies, animal study (3)

Bojarinova J, Kavokin K, Fedorishcheva A, Sannikov D, Cherbunin R, Pakhomov A, Chernetsov N. **Oscillating magnetic field does not disrupt orientation in the presence of stellar cues in an avian migrant.** *J Ornithol.* 2023;165(2):347-354. <https://doi.org/10.1007/s10336-023-02129-w>

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Gobbo Oliveira Erunlu N, Rieder S, Kuntzer T, Berard J, Wellnitz O. **Effects of sensor ear tags with twin pin fixing system on health and well-being of cattle.** *Schweiz Arch Tierheilkd.* 2023;165(7):512-523. <https://doi.org/10.17236/sat00399>

### across frequencies, dosimetry/exposure (24)

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**electromagnetic and thermal radiation from laptops and mobile phones.** *International Journal of Thermal Sciences.* 2023;194:108594.  
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Khuniqi HN, Rasoulzadeh Y, Mohammadian Y. **DNA damage in foundry workers using non-invasive micronucleus cytome assay.** *Mutat Res Genet Toxicol Environ Mutagen.* 2023;891:503686. <https://doi.org/10.1016/j.mrgentox.2023.503686>

## across frequencies, in vitro study (8)

Gurhan H, Barnes F. **Impact of weak radiofrequency and static magnetic fields on key signaling molecules, intracellular pH, membrane potential, and cell growth in HT-1080 fibrosarcoma cells.** *Sci Rep.* 2023;13:14223. <https://doi.org/10.1038/s41598-023-41167-5>

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## across frequencies, theory/molecular mechanism (8)

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## intermediate frequency, epidemiology (1)

Sato Y, Taki M, Kojimahara N. **Association Between the Use of Induction Heating Cookers and Delivery Outcomes in Pregnant Women: An Internet-Based Cohort Study.** *Environ Health Insights.* 2023;17:11786302231211114. <https://doi.org/10.1177/11786302231211114>

## intermediate frequency, in vitro study (1)

Mamaghaniyeh R, Zandieh A, Goliaei B, Nezamtaheri MS, Shariatpanahi SP. **Effects of exposure to alternating low-intensity, intermediate-frequency electric fields on the differentiation of human leukemic cell line U937.** *Bioelectromagnetics.* 2024;45(2):48-57.

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## low frequency, animal study (32)

Alamsyah F, Firdausi N, Nugraheni SED, Fadhlurrahman AG, Nurhidayat L, Pratiwi R, Taruno WP. **Effects of non-contact electric fields on kidney and liver histology in tumour-induced rats.** *F1000Research*. 2023;12:117. <https://doi.org/10.12688/f1000research.110080.3>

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