



SEARCH THIS SITE



[ELECTROSMOG POLICY BRIEF](#)

[5G SPACE APPEAL](#)
[Sign the Appeal](#)

[WIFI IN THE SKY](#)
[Wi-Fi in the Sky – Update 2022](#)
[Taos, New Mexico, Aug. 12, 2018](#)
[Planetary Emergency, May 2018](#)

[THE INVISIBLE RAINBOW](#)
[Purchase](#)
[Reviews](#)

[CELL PHONES: Q&As](#)

[FAQ](#)

[5G – FROM BLANKETS TO BULLETS](#)

[In English](#)
[En Français](#)

[LANDMARK SCIENTIFIC STUDIES](#)

[Olle Johansson](#)
[Leif Salford](#)
[Allan H. Frey](#)
[Ersan Odaci](#)

[ASSAULT ON NATURE](#)

[Bees](#)
[Submission to Fish and Wildlife Service on the American Bumble Bee](#)
[Birds](#)
[Frogs](#)
[The Work of Alfonso Balmori](#)
[The Work of Diana Kordas](#)

[REPORTS, ARTICLES & STUDIES](#)

[Epidemiological Studies](#)
[Joining the Dots](#)
[Mainstream Articles](#)
[The Work of Arthur Firstenberg](#)
[Reviews](#)

[VOICES OF CONCERN](#)

[Government & Organizational Bans and Warnings](#)
[Statements by Scientists](#)
[Warning by Acupuncturists](#)

[SMART METERS](#)

[WIND TURBINES](#)

[GROUND CURRENTS](#)

[NEWS ARCHIVES 2010-2016](#)

THE WORK OF ERSAN ODACI



Multi-Organ Damage from Prenatal and Early Exposure to Mobile Phones

Since 2008, a team of researchers in Turkey have been exposing laboratory rats prenatally as well as early in life, and they have been finding both structural and functional damage to every organ they have looked at, including the brain, spinal cord, heart, liver, kidney, bladder, spleen, thymus, ovaries, and testes. The frequencies and exposure levels matched the radiation emitted by mobile phones, and more recently they have used actual mobile phones with similar results. This team has been headed by Ersan Odaci, professor at Karadeniz Technical University.

Publications

Biochemical and pathological effects on the male rat hepatic tissue after exposure to 900 MHz electromagnetic field during adolescent period, 2021
<https://dergipark.org.tr/en/download/article-file/1189560>

Structural changes observed in mice liver due to chronic exposure of 1900-2200 MHz radiations emitted from mobile phone, 2019
<https://pdfs.semanticscholar.org/cc23/2bd63ed4f567d0e7a436ec1118d9259c713f.pdf>

The Effect of 900-Megahertz Electromagnetic Field Exposure in the First and Middle Adolescent Period on the Spleen in Male Rats: A Biochemical and Histopathological Study, 2019
<https://dergipark.org.tr/tr/pub/dtfd/issue/51319/608616>

Changes in pyramidal and granular neuron numbers in the rat hippocampus 7 days after exposure to a continuous 900-MHz electromagnetic field during early and mid-adolescence, 2019
<https://www.sciencedirect.com/science/article/abs/pii/S0891061819300985>

Altered morphology and biochemistry of the female rat liver following 900 megahertz electromagnetic field exposure during mid to late adolescence, 2019
<https://www.tandfonline.com/doi/abs/10.1080/10520295.2019.1580767>

Effects of 900-MHz electromagnetic fields exposure throughout middle/late adolescence on the kidney morphology and biochemistry of the female rat, 2018
<https://journals.sagepub.com/doi/abs/10.1177/0748233718781292>

Changes in testicular morphology and oxidative stress biomarkers in 60-day-old Sprague Dawley rats following exposure to continuous 900-MHz electromagnetic field for 1 h a day throughout adolescence, 2018
<https://www.sciencedirect.com/science/article/pii/S089062381830337X>

A histopathological and biochemical evaluation of oxidative injury in the sciatic nerves of male rats exposed to a continuous 900-megahertz electromagnetic field throughout all periods of adolescence, 2018
<https://www.sciencedirect.com/science/article/pii/S0891061817302120>

Continuous 900-megahertz electromagnetic field applied in middle and late-adolescence causes qualitative and quantitative changes in the ovarian morphology, tissue and blood biochemistry of the rat, 2018
<https://www.tandfonline.com/doi/abs/10.1080/09553002.2018.1420924>

Biochemical and pathological changes in the male rat kidney and bladder following exposure to continuous 900-MHz electromagnetic field on postnatal days 22-59, 2017
<https://www.tandfonline.com/doi/abs/10.1080/09553002.2017.1350768>

Oxidative Damage and Histopathological Changes in the Adult Male Sprague Dawley Rat Liver Following Exposure to a Continuous 900-MHz Electromagnetic Field Throughout the Entire Adolescent Period, 2017
https://www.researchgate.net/publication/317951623_Oxidative_damage_and_histopathological_changes_in_the_adult_male_Sprague_Dawley_rat_liv_er_following_exposure_to_a_continuous_900-MHz_electromagnetic_field_throughout_the_entire_adolescent_period

Alterations of thymic morphology and antioxidant biomarkers in 60-day-old male rats following exposure to a continuous 900 MHz electromagnetic field during adolescence, 2017
<https://www.tandfonline.com/doi/abs/10.1080/10520295.2017.1312525>

Long-term exposure to a continuous 900 MHz electromagnetic field disrupts cerebellar morphology in young adult male rats, 2017
<https://www.tandfonline.com/doi/abs/10.1080/10520295.2017.1310295>

Adverse effects in lumbar spinal cord morphology and tissue biochemistry in Sprague Dawley male rats following exposure to a continuous 1-h a day 900-MHz electromagnetic field throughout adolescence, 2016
<https://www.sciencedirect.com/science/article/pii/S0891061816301351>

Pernicious effects of long-term, continuous 900-MHz electromagnetic field throughout adolescence on hippocampus morphology, biochemistry and pyramidal neuron numbers in 60-day-old Sprague Dawley male rats, 2016
<https://www.sciencedirect.com/science/article/pii/S0891061816300758>

Maternal exposure to a continuous 900-MHz electromagnetic field provokes neuronal loss and pathological changes in cerebellum of 32-day-old female rat offspring, 2016
<https://www.sciencedirect.com/science/article/pii/S0891061815000708>

Morphological and antioxidant impairments in the spinal cord of male offspring rats following exposure to a continuous 900 MHz electromagnetic field during early and mid-adolescence, 2016
<https://www.sciencedirect.com/science/article/pii/S0891061815000964>

Effects of long-term exposure to 900 megahertz electromagnetic field on heart morphology and biochemistry of male adolescent rats, 2016
<https://www.tandfonline.com/doi/abs/10.1080/10520295.2016.1216165>

Disruption of the ovarian follicle reservoir of prepubertal rats following prenatal exposure to a continuous 900-MHz electromagnetic field, 2016
<https://www.tandfonline.com/doi/abs/10.3109/09553002.2016.1152415>

Effects of prenatal exposure to a 900 MHz electromagnetic field on 60-day-old rat testis and epididymal sperm quality, 2016
<https://www.tandfonline.com/doi/abs/10.3109/10520295.2015.1060356>

Deleterious impacts of a 900-MHz electromagnetic field on hippocampal pyramidal neurons of 8-week-old Sprague Dawley male rats, 2015
<https://www.sciencedirect.com/science/article/pii/S0006899315005867>

Can prenatal exposure to a 900 MHz electromagnetic field affect the morphology of the spleen and thymus, and alter biomarkers of oxidative damage in 21-day-old male rats? 2015
<https://www.tandfonline.com/doi/abs/10.3109/10520295.2015.1042051>

The effects of prenatal exposure to a 900-MHz electromagnetic field on the 21-day-old male rat heart, 2015
<https://www.tandfonline.com/doi/abs/10.3109/15368378.2014.952742>

Exposure to a 900 MHz electromagnetic field for 1 hour a day over 30 days does change the histopathology and biochemistry of the rat testis, 2015
<https://www.tandfonline.com/doi/abs/10.3109/09553002.2015.1031850>

Pathological effects of prenatal exposure to a 900 MHz electromagnetic field on the 21-day-old male rat kidney, 2015
<https://www.tandfonline.com/doi/abs/10.3109/10520295.2014.947322>

The effects of prenatal long-duration exposure to 900-MHz electromagnetic field on the 21-day-old newborn male rat liver, 2015
<https://journals.tubitak.gov.tr/cgi/viewcontent.cgi?article=2847&context=medical>

The effect of prenatal exposure to 900-MHz electromagnetic field on the 21-old-day rat testicle, 2013
<https://www.sciencedirect.com/science/article/pii/S0890623813003523>

The Effects of 900 Megahertz Electromagnetic Field Applied in the Prenatal Period on Spinal Cord Morphology and Motor Behavior in Female Rat Pups, 2013
<https://www.neuroquantology.com/article.php?id=2259>

The Effects of Prenatal Exposure to a 900 Megahertz Electromagnetic Field on Hippocampus Morphology and Learning Behavior in Rat Pups, 2013
<https://www.neuroquantology.com/article.php?id=2262>

Pyramidal Cell Loss in the Cornu Ammonis of 32-day-old Female Rats Following Exposure to a 900 Megahertz Electromagnetic Field During Prenatal Days 13-21, 2013
<https://www.neuroquantology.com/article.php?id=2263>

Purkinje cell number decreases in the adult female rat cerebellum following exposure to 900 MHz electromagnetic field, 2010
<https://www.sciencedirect.com/science/article/pii/S0006899310017051>

Chronic prenatal exposure to the 900 megahertz electromagnetic field induces pyramidal cell loss in the hippocampus of newborn rats, 2009
<https://journals.sagepub.com/doi/abs/10.1177/0748233709106442>

900 MHz electromagnetic field exposure affects qualitative and quantitative features of hippocampal pyramidal cells in the adult female rat, 2009
<https://www.sciencedirect.com/science/article/pii/S0006899309002996>

Effects of prenatal exposure to a 900 MHz electromagnetic field on the dentate gyrus of rats: a stereological and histopathological study, 2008
<https://www.sciencedirect.com/science/article/pii/S0006899308019458>