Tehnologia 5G și posibilul impact asupra sănătății umane

Articole în presa de specialitate – Bibliografie selectivă

Bandara, P., McCredden, J., May, M., Weller, S., Maisch, D., Kelly, R., . . . Wojcik, D. (2020). Serious Safety Concerns about 5G Wireless Deployment in Australia and New Zealand. *Radiation Protection In Australasia, 37*(1), 47-54.

https://ehtrust.org/serious-safety-concerns-about-5g-wireless-deployment-in-australia-and-new-zealand/

https://www.researchgate.net/publication/342085409_Serious_Safety_Concerns_about_5G_Wireless_Deployment_in_Australia_and_New_Zealand

Bandara, P., & Carpenter, D. O. (2018, decembrie 1). [Comment] Planetary electromagnetic pollution: it is time to assess its impact. *The Lancet Planetary Health, 2*(12), e512-e514. doi:10.1016/S2542-5196(18)30221-3

Betzalel, N., Ishai, P. B., & Feldman, Y. (2018, mai). The human skin as a sub-THz receiver – Does 5G pose a danger to it or not? *Environmental Research, 163*, 208-216. doi:10.1016/j.envres.2018.01.032

Bieńkowski, P., Zmyślony, M., Karpowicz, J., Politański, P., Bortkiewicz, A., Kieliszek, J., & Rydzyński, K. (2020). Conditionings of population exposure to electromagnetic fields associated with the rational use of 5G radiocommunication networks in Poland. *Medycyna Pracy, 71*(2), 245-253. doi:10.13075/mp.5893.00920

Bourguignon, D. (2015, decembrie 9). *The precautionary principle: Definitions, applications and governance. In-depth analysis*. European Parliament. https://www.europarl.europa.eu/thinktank/en/document.html?reference=EPRS_IDA(2015)573876

Brake, D. (2020, aprilie 27). A U.S. National Strategy for 5G and Future Wireless Innovation. *Information Technology & Innovation Foundation*. https://itif.org/publications/2020/04/27/us-national-strategy-5g-and-future-wireless-innovation

Bushberg, J. T., Chou, C. K., Foster, K. R., Kavet, R., Maxson, D. P., Tell, R. A., & Ziskin, M. C. (2020, august). IEEE Committee on Man and Radiation—COMAR Technical Information Statement: Health and Safety Issues Concerning Exposure of the General Public to Electromagnetic Energy from 5G Wireless Communications Networks. *Health Physics, 119*(2), 236-246. doi:10.1097/HP.0000000000001301

Chiaraviglio, L., Elzanaty, A., & Alouini, M.-S. (2020, iunie 1). Health Risks Associated with 5G Exposure: A View from the Communications Engineering Perspective. *arXiv*. https://arxiv.org/abs/2006.00944

Ciaula, A. D. (2018). Towards 5G communication systems: Are there health implications? *International Journal of Hygiene and Environmental Health, 221*(3), 367-375. doi:10.1016/j.ijheh.2018.01.011

European Commission. (2019, iulie 19). *Shaping Europe's digital future.* European Commission: https://ec.europa.eu/digital-single-market/en/news/security-5g-networks-eu-member-states-complete-national-risk-assessments

Foster, K. R., & Moulder, J. E. (2019, ianuarie). Response to PALL, "Wi-Fi is an important threat to human health". *Environmental Research, 168*, 445-447. doi:10.1016/j.envres.2018.10.016

Gabrić, P. (2020, aprilie 14). Media manipulation of information on the health effects of 5G? A small-sample case study of the Croatian news website Index.hr. *SocArXiv*. doi:10.31235/osf.io/dpjbf

Hardell, L. (2019). [Comment] Notes on parliament hearing in Tallinn, Estonia June 4, 2019 as regards the deployment of the fifth generation, 5G, of wireless communication. *World Academy of Sciences Journal, 1*(6), 275-282. doi:10.3892/wasj.2019.28

Hardell, L., & Carlberg, M. (2020, iulie 15). Health risks from radiofrequency radiation, including 5G, should be assessed by experts with no conflicts of interest. *Oncology Letters, 20*(4), 1-11. doi:10.3892/ol.2020.11876

Hardell, L., & Nyberg, R. (2020, ianuarie 22). [Comment] Appeals that matter or not on a moratorium on the deployment of the fifth generation, 5G, for microwave radiation. *Molecular and Clinical Oncology, 12*(3), 247-257. doi:10.3892/mco.2020.1984

Karaboytcheva, M. (2020, februarie 11). *Les effets de la communication sans fil 5G sur la santé humaine.* Parlement européen: https://www.europarl.europa.eu/RegData/etudes/BRIE/2020/646172/EPRS_BRI(2020)646172_FR.pdf

Kostoff, R. N., Heroux, P., Aschner, M., & Tsatsakis, A. (2020, mai 1). Adverse health effects of 5G mobile networking technology under real-life conditions. *Toxicology Letters, 323*, 35-40. doi:10.1016/j.toxlet.2020.01.020

Le Conseil fédéral. (2020, aprilie 22). Téléphonie mobile et 5G: le Conseil fédéral suisse décide de la suite de la procédure. *Le Conseil fédéral. Le portail du Gouvernement suisse*. Berna. https://www.admin.ch/gov/fr/accueil/documentation/communiques.msg-id-78857.html

Lin, J. C. (2020, septembrie). 5G Communication Technology and Coronavirus Disease [Health Matters]. *IEEE Microwave Magazine, 21*(9), 16-19. doi:10.1109/MMM.2020.2999236

Maisch, D. R. (2010). *The Procustean approach. Setting exposure standards for telecommunications frequency electromagnetic radiation.* Wollongong: Universitatea din Wollongong. https://www.emfacts.com/the-procrustean-approach/

Mandl, P., Pezzei, P., & Leitgeb, E. (2018). Selected health and law issues regarding mobile communications with respect to 5G. *2018 International Conference on Broadband Communications for Next Generation Networks and Multimedia Applications (CoBCom).* Graz: Institute of Electrical and Electronics Engineers - IEEE. doi:10.1109/COBCOM.2018.8443980

McClelland III, S., & Jaboin, J. J. (2018). The radiation safety of 5G Wi-Fi: reassuring or Russian roulette? *International Journal of Radiation Oncology*, 1274-5. doi:10.1016/j.ijrobp.2018.04.051

Miller, A. B., Sears, M. E., Morgan, L. L., Davis, D. L., Hardell, L., Oremus, M., & Soskolne, C. L. (2019, august 13). Risks to Health and Well-Being From Radio-Frequency Radiation Emitted by Cell Phones and Other Wireless Devices. *Frontiers in Public Health, 7*. doi:10.3389/fpubh.2019.00223

Müller, J., & Ammann, B. (2020, aprilie 7). Ce qu'un moratoire sur la 5G signifierait pour la Suisse. *Avenir Suisse*. https://www.avenir-suisse.ch/fr/publication/ce-quun-moratoire-sur-la-5g-signifierait-pour-la-suisse/

Najera, A. (2019, ianuarie). Comments on "Wi-Fi is an important threat to human health". *Environmental Research, 168*, 514-515. doi:10.1016/j.envres.2018.07.026

Office fédéral de la santé publique OFSP. (2019, noiembrie 18). Le rapport suisse: "Téléphonie mobile et rayonnement". 129p. Berna, Elvetia. https://www.bag.admin.ch/bag/fr/home/gesund-leben/umwelt-und-gesundheit/strahlung-radioaktivitaet-schall/elektromagnetische-felder-emf-uv-laser-licht/mobilfunk_und_strahlung.html

Pall, M. L. (2016). Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. *Journal of Chemical Neuroanatomy, 75, Part B*, 43-51. doi:10.1016/j.jchemneu.2015.08.001

Pall, M. L. (2018, mai 17). 5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them. https://www.radiationresearch.org/wp-content/uploads/2018/06/EU-EMF2018-6-11US3.pdf

Pall, M. L. (2018, iulie). Wi-Fi is an important threat to human health. *Environmental Research, 164*, 405-416. doi:10.1016/j.envres.2018.01.035

Physicians for Safe Technology. (2020, mai 23). 5G Telecommunications Science. Scientific Literature. *Physicians for Safe Technology. 5G Telecommunications Science*. https://mdsafetech.org/5g-telecommunications-science/

PowerWatch. (2020). Peer-reviewed scientific studies electromagnetic fields. *PowerWatch*. https://www.powerwatch.org.uk/science/studies.asp

Russell, C. L. (2018). 5 G wireless telecommunications expansion: Public health and environmental implications. *Environmental Research, 165*(august), 484-495. doi:10.1016/j.envres.2018.01.016

Simkó, M., & Mattsson, M.-O. (2019). 5G Wireless Communication and Health Effects - A Pragmatic Review Based on Available Studies Regarding 6 to 100 GHz. *International Journal of Environmental Research and Public Health, 16*(18), 3406. doi:10.3390/ijerph16183406

The World Health Organization/International Agency for Research on Cancer. (2011, mai 31). *IARC classifies radiofrequency electromagnetic fields as possibly carcinogenic to humans.* International Agency for Research on Cancer (IARC): https://www.iarc.fr/wp-content/uploads/2018/07/pr208_E.pdf

Verma, S. C., M., T. T., & Pradhan, D. (2019). Harmful effects of 5G radiations: Review. *Proceedings of IRAJ International Conference, 24th March, 2019, Bengaluru, India.*http://theconferenceworld.org/conference_album.php?al_id=248

Witze, A. (2019). Global 5G wireless deal threatens weather forecasts. *Nature, 575*(7784), 577. doi:10.1038/d41586-019-03609-x

Zmyślony, M., Bieńkowski, P., Bortkiewicz, A., Karpowicz, J., Kieliszek, J., Politański, P., & Rydzyński, K. (2020). Protection of the population health from electromagnetic hazards − challenges resulting from the implementation of the 5G network planned in Poland. *Medycyna Pracy, 71*(1), 105-113. doi:10.13075/mp.5893.00867