

DAFTAR PUSTAKA

- Abebe, E., Ferebee, B., Taylor, T., Mundo-Ocampo, M., Mekete, T., Ley, P. D., 2013. *Neotobrilus nicsmolae* n. sp. (Tobrilidae: Nematoda) and *Chronogaster carolinensis* n. sp. (Chronogasteridae: Nematoda) from Lake Phelps, North Carolina. *Journal of Nematology*, 45(1), pp. 66-77.
- Balai Penelitian Tanah, 2009. *Analisis Kimia Tanah, Tanaman, Air, dan Pupuk*. Edisi 2 penyunt. Bogor: Balai Penelitian Tanah.
- Bernard, E. C., 1992. Soil Nematode Biodiversity. *Biology and Fertility of Soils*, Volume 14, pp. 99-103.
- Bileva, T., Stevanova, V. & Haytova, D., 2014. Assessment of Nematodes as Bioindicators of Soil Health in Agroecosystems. *Turkish Journal of Agricultural and Natural Sciences*, Issue 1, pp. 568-573.
- Biswal, D., 2022. Nematodes as Ghosts of Land Use Past: Elucidating the Roles of Soil Nematode Community Studies as Indicators of Soil Health and Land Management Practices. *Applied Biochemistry and Biotechnology*, Volume 194, pp. 2357-2417.
- Blake, G. R. & Hartge, K. H., 1986. Bulk Density. In: A. Klute, ed. *Methods of Soil Analysis Part 1-Physical and Mineralogical Methods*. Madison (WI): SSSA, pp. 363-381.
- Bongers, T., 1990. The maturity index : an ecological measure of environmental disturbance based on nematode species composition. *Oecologia*, Volume 83, pp. 14-19.
- Bongers, T., 1994. *De Nematoden van Nederland*. 2nd edition penyunt. Utrecht: Koninklijke Nederlandse Natuurhistorische Vereniging.
- Bongers, T., Alkemade, R. & Yeates, G. W., 1991. Interpretation of disturbance-induced maturity decrease in marine nematode assemblages by means of the Maturity Index. *Marine Ecology Progress Series*, Volume 76, pp. 135-142.
- Bongers, T. & Bongers, M., 1998. Functional diversity of nematodes. *Applied Soil Ecology*, Volume 10, pp. 239-251.
- Bongers, T. & Ferris, H., 1999. Nematode community structure as a bioindicator in environmental monitoring. *Trends in Ecology & Evolution*, 14(6), pp. 224-228.
- Bremner, J. M., 1996. Nitrogen-Total. In: D. L. Spark, et al. eds. *Methods of Soil Analysis Part 3-Chemical Methods*. Madison (WI): SSSA, pp. 1085-1121.
- Chauvin, C., Trambolho, M., Hedde, M., Makowski, D., C er monie, H., Jimenez, A., Villenave, C., 2020. Soil Nematodes as Indicators of Heavy Metal

- Pollution: A Meta-Analysis. *Open Journal of Soil Science*, Volume 10, pp. 579-601.
- Coleman, D. C., Callahan, M. A. & Crossley, D. A., 2018. *Fundamental of Soil Ecology*. Third Edition ed. United Kingdom: Elsevier Inc..
- Debabrata, S., 2019. One new and two known species of tylenchida (Nematoda) from West Bengal, India. *Journal of Entomology and Zoology Studies*, 7(4), pp. 1059-1066.
- Dinas Lingkungan Hidup dan Kehutanan Kabupaten Polewali Mandar, 2021. *Laporan Akuntabilitas Kinerja Instansi Pemerintah (Lakip)*, Polewali Mandar: DLHK.
- Ettema, C. H., 1994. *Identification of Nematode Feeding Groups*. s.l.:s.n.
- Ferris, H., Bongers, T. & de Goede, R., 2001. A framework for soil food web diagnostics: extension of the nematode faunal analysis concept. *Applied Soil Ecology*, 18(1), pp. 13-29.
- Forge, T. A. & Kimpinski, J., 2008. Nematodes. In: M. R. Carter & E. G. Gregorich, eds. *Soil Sampling and Methods of Analysis Second Edition*. Canada: Canadian Society of Soil Science, pp. 415-425.
- Forge, T. A. & Tenuta, M., 2008. Indicators of Soil Food Web Properties. In: M. R. Carter & E. G. Gregorich, eds. *Soil Sampling and Methods of Analysis Second Edition*. Canada: Canadian Society of Soil Science, pp. 577-587.
- Freckman, D. W. & Baldwin, J. G., 1990. Nematoda. In: D. Dindal, ed. *Soil Biology Guide*. New York: John Wiley and Sons, pp. 155-200.
- Gutiérrez, C., Fernández, C., Escuer, M., Campos-Herrera, R., Rodríguez, M. E. B., Carbonell, G., Martín, J. A. R., 2016. Effect of soil properties, heavy metals and emerging contaminants in the soil nematodes diversity. *Environmental Pollution*, Volume 213, pp. 184-194.
- Hikmah, 2022. *DLHK Polman bicara: pengelolaan sampah & penutupan TPA Binuang* [Wawancara] (7 Januari 2022).
- Hodda, M., 2022. Phylum Nematoda: feeding habits for all valid genera using a new, universal scheme encompassing the entire phylum, with descriptions of morphological characteristics of the stoma, a key, and discussion of the evidence for trophic relationships. *Zootaxa*, 5114(1), pp. 318-451.
- Höss, S., Schlottmann, K. & Traunspurger, W., 2011. Toxicity of ingested cadmium to the nematode *Caenorhabditis elegans*. *Environmental Science & Technology*, 45(23), pp. 10219-10225.
- Hussein, M., Yoneda, K., Mohd-Zaki, Z., Amir, A., Othman, N., 2021. Heavy metals in leachate, impacted soils and natural soils of different landfills in Malaysia: An alarming threat. *Chemosphere*, Volume 267.

- Iqbal, S. & Jones, M., 2017. Nematodes. In: B. Thomas, B. G. Murray & D. J. Murphy, eds. *Encyclopedia of Applied Plant Sciences, Second Edition, Three Volume Set*. Perth: Elsevier Ltd., pp. 113-119.
- Ishchenko, V., 2018. Prediction of heavy metals concentration in the leachate: a case study of Ukrainian waste. *Journal of Material Cycles and Waste Management*.
- ISO, 1995. *Soil quality—extraction of trace elements soluble in aqua regia International standard*, Zagreb: Zagreb Croatia Croatian Standards Institute.
- Jiang, Y., Chen, J., Wu, Y., Wang, Q., Li, H., 2016. Sublethal Toxicity Endpoints of Heavy Metals. *PLoS ONE*, 11(1), pp. 1-12.
- Kanwar, R. S., Patil, J. A. & Yadav, S., 2021. Prospects of using predatory nematodes in biological control for plant parasitic nematodes – A review. *Biological Control*, Volume 160, pp. 1-10.
- Kanzaki, N., Tsai, I. J., Tanaka, R., Hunt, V. L., Liu, D., Tsuyama, K., Maeda, Y., Namai, S., Kumagai, R., Tracey, A., Holroyd, N., Doyle, S. R., Woodruff, G. C., Murase, K., Kitazume, H., Chai, C., Akagi, A., Panda, O., Ke, H., Schroeder, F. C., Wang, J., Berriman, M., Sternberg, P. W., Sugimoto, A., Kikuchi, T., 2018. Biology and genome of a newly discovered sibling species of *Caenorhabditis elegans*. *Nature Communications*, 9(3216), pp. 1-12.
- Khanum, T. A., Mehmood, N. & Khatoon, N., 2021. Nematodes as Biological Indicators of Soil Quality in the Agroecosystems. In: Cristiano & T. E. Kaspar, eds. *Nematodes - Recent Advances, Management and New Perspectives*. Rijeka: IntechOpen, pp. 1-12.
- Korthals, G. W., Alexiev, A. D., Lexmond, T. M., Kammenga, J. E., Bongers, T., 1996. Long-term effects of Copper and pH on the Nematode Community in an Agroecosystem. *Environmental Toxicology and Chemistry*, 15(6), pp. 979-985.
- Li, J., Zheng, Q., Liu, J., Pei, S., Yang, Z., Chen, R., Ma, L., Niu, J., Tian, T., 2024. Bacterial–fungal interactions and response to heavy metal contamination of soil in agricultural areas. *Frontiers in Microbiology*, Volume 15, pp. 1-15.
- Liu, L., Li, S., Wilson, G. W. T., Cobb, A. B., Zhou, C., Li, J., Li, J., Guo, L., Huang, D., 2021. Nematode communities indicate anthropogenic alteration to soil dynamics across diverse grasslands. *Ecological Indicators*, 132(108338), pp. 1-10.
- Liu, Y., Lu, W., Wang, H., Gao, X., Huang, Q., 2019. Improved impact assessment of odorous compounds from landfills using Monte Carlo simulation. *Science of the Total Environment*, Volume 648, pp. 805-810.

- Lu, Q., Liu, T., Wang, N., Dou, Z., Wang, K., Zuo, Y., 2020. A review of soil nematodes as biological indicators for the assessment of soil health. *Front. Agr. Sci. Eng.*, 7(3), pp. 275-281.
- Mawan, A., 2021. *Kala TPA binuang Cemari Lahan Pertanian Warga*. Polewali Mandar: Mongabay.
- Minso, Nirmala, A. & Winardi, 2016. Kajian Penyebaran Limbah Logam berat Mangan (Mn) dan Timbal (Pb) pada Air Tanah Bebas di Tempat Pemrosesan Akhir (TPA) Sampah di Batu Layang Kota Pontianak. *Jurnal Mahasiswa Teknik Sipil Universitas Tanjungpura*, 1(1).
- Neher, D. A., 2001. Role of Nematodes in Soil Health and Their Use as Indicators. *Journal of Nematology*, 33(4), pp. 161-168.
- Neher, D. A. & Darby, B. J., 2006. *Computation and application of nematode community indices: general guidelines*. USA: CABI Books.
- Nelson, D. W. & Sommers, L. E., 1996. Total Carbon, Organic Carbon, and Organic Matter. In: W. Madison, ed. *Methods of Soil Analysis. Part 3. Chemical Methods*. Second ed. USA: Soil Science Society of America and American Society of agronomy, pp. 961-1010.
- Ogundiran, O. O. & Afolabi, T. A., 2008. Assessment of the physicochemical parameters and heavy metals toxicity of leachates from municipal solid waste open dumpsite. *Int. J. Environ. Sci. Technol*, 5(2), pp. 243-250.
- Ololade, O. O., Mavimbela, S., Oke, S. A. & Makhadi, R., 2019. Impact of Leachate from Northern Landfill Site in Bloemfontein on Water and Soil Quality: Implications for Water and Food Security. *Sustainability*, 11(15), pp. 1-19.
- Perbup Polman, 2018. *Pembentukan Unit Pelaksana Teknis Daerah pada Dinas dan Badan di Lingkungan Pemerintahan Kabupaten Polewali Mandar*. Polewali: Pemerintah Kabupaten.
- Poinar, G., 2012. Nematoda. In: *Freshwater Invertebrates of The Malaysian Region*. pp. 145-156.
- Renčo, M., Čerevková, A. & Hlava, J., 2022. Life in a Contaminated Environment: How Soil Nematodes Can Indicate Long-Term Heavy-Metal Pollution. *Journal of Nematology*, Volume 54, pp. 1-16.
- Rudnick, R. L. & Gao, S., 2014. *Composition of the Continental Crust*. 2nd ed. In *Treatise on Geochemistry*: Elsevier Ltd..
- Sapir, A., 2021. Why are nematodes so successful extremophiles?. *Communicative & Integrative Biology*, 14(1), pp. 24-26.
- Sieriebriennikov, B., Ferris, H. & de Goede, R. G. M., 2014. NINJA: An automated calculation system for nematode-based biological monitoring. *European Journal of Soil Biology*, Volume 61, pp. 90-93.

- Siswoyo, E. & Habibi, G. F., 2018. Sebaran Logam Berat Kadmium (Cd) dan Timbal (Pb) pada air sungai dan sumur di daerah sekitar tempat pembuangan akhir (TPA) wukirsari Gunung Kidul, Yogyakarta. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*, 8(1), pp. 1-6.
- Srisena, K. E. P. & Budianta, W., 2021. Fitoremediasi Tanah Tercemar Pb dan Zn di Tempat Pembuangan Akhir (TPA) Sampah Piyungan, Yogyakarta. *Kurvatek*, 6(1), pp. 23-30.
- Syarifuddin, 2022. [Interview] 2022.
- Thuo, A. K., Karuku, G. N., Kimenju, J. W., Kariuki, G. M., Wendot, P. K., Malakeberhan, H., 2020. Factors Influencing the Relationship between Nematode Communities and Edaphic Factors on Selected Soil Groups in Kenya: Vertisols, Cambisols and Arenosols. *Tropical and Subtropical Agroecosystems*, Volume 23, pp. 1-17.
- van den Hoogen, J., Geisen, S., Routh, D., Ferris, H., Traunspurger, W., Wardle, D. A., de Goede, R. G. M., Adams, B. J., Ahmad, W., Andriuzzi, W. S., Bardgett, R. D., Bonkowski, M., Campos-Herrera, R., Cares, J. E., Caruso, T., de Brito Caixeta, L., Chen, X., Costa, S. R., Creamer, R., Mauro da Cunha Castro, J., Dam, M., Djigal, D., Escuer, M., Griffiths, B. S., Gutiérrez, C., Hohberg, K., Kalinkina, D., Kardol, P., Kergunteuil, A., Korthals, G., Krashevskaya, V., Kudrin, A., Li, Q., Liang, W., Magilton, M., Marais, M., Martín, J. A. R., Matveeva, E., Mayad, E. H., Mulder, C., Mullin, P., Neilson, R., Nguyen, T. A. D., Nielsen, U. N., Okada, H., Rius, J. E. P., Pan, K., Peneva, V., Pellissier, L., Carlos P. J., Pitteloud, C., Powers, T. O., Powers, K., Quist, C. W., Rasmann, S., Moreno, S. S., Scheu, S., Setälä, H., Sushchuk, A., Tiunov, A. V., Trap, J., van der Putten, W., Vestergård, M., Villenave, C., Waeyenberge, L., Wall, D. H., Wilschut, R., Wright, D. G., Yang, J., Crowther, T. W., 2019. Soil nematode abundance and functional group composition at a global scale. *Nature*, 572(7768), pp. 194-198.
- Van Raamsdonk, J. M. & Hekimi, S., 2010. Reactive Oxygen Species and Aging in *Caenorhabditis elegans*: Causal or Casual Relationship?. *Antioxidant & Redox Signaling*, 13(12), pp. 1911-1953.
- Vinoth, B. & Elango, N. M., 2021. An effective data mining techniques based optimal paddy yield cultivation: a rational approach. *Paddy and Water Environment*, Volume 19, p. 331–343.
- Wilson, M. J. & Kakouli-Duarte, T., 2009. *Nematodes as Environmental Indicators*. UK: CAB International.
- Yeates, G. W.; Bongers, T.; de Goede, R. G. M.; Freckman, D. W.; Georgieva, S. S., 1993. Feeding Habits in Soil Nematode Families and Genera-An Outline for Soil Ecologists. *Journal of Nematology*, 25(3), pp. 315-331.

Yeilagi, S., Rezapour, S. & Asadzadeh, F., 2021. Degradation of soil quality by the waste leachate in a Mediterranean semi-arid ecosystem. *Scientific Reports*, 11(11390), pp. 1-12.

Zhongqi, H., Zhiwei, L., Guan, P., Fengxue, S., Haibo, J., Chunguang, H., Zhongqiang, W., 2024. Effect of heavy metal contamination on soil nematode communities in urban brownfields. *Global Ecology and Conservation*, Volume 49, p. e02787.

