

DAFTAR PUSTAKA

- Abat, M., Michael, J., Jason, K., & Stacey, S. (2012). *Adsorption and Desorption of Copper and Zinc in tropical Peat Soils of Sarawak, Malaysia*. Journal Geoderma: 175-176 (2012) 58-63
- Andrade, R., Faria, W. M., Silva, S. H. G., Chakraborty, S., Weindorf, D. C., Mesquita, L. F., Guilherme, L. R. G., & Curi, N. (2020). *Prediction of soil fertility via portable X-ray fluorescence (pXRF) spectrometry and soil texture in the Brazilian Coastal Plains*. Journal Geoderma. 257; 1-10.
- Alahi, M. E., Nag, A., Mukhopadhyay, S. C., & Burkitt, L. (2018). *A temperature-compensated graphene sensor for nitrate monitoring in real-time application*. Journal sensors and Actuator A: Physical. 269; 79-90.
- Attias, R., Dlugatch, B., Chae, M. S., Gofer, Y., & Aurbach, D. (2021). *Changes in the interfacial charge resistance of Mg metal electrodes, measured by dynamic electrochemical impedance spectroscopy*. Electrochemistry Communications, 124, 106952.
- Azuka., Vincent. C., Eketette., & Ann. O., (2024). *Biochar particle size contributions to soil chemical properties and nutrient content o degraded Ultisol and plant growth in Nsukka, southeastern Nigeria*. Discover Soil. 2024; 1 (3).
- Bahera, S. K., Suresh, K., Shukla, A. K., Kamireddy, M., Mathur, R.K., & Majumdar, K. (2021). *Soil and leaf potassium, Calcium and magnesium in oil palm (Elaeis guineensis Jacq.) plantations grown on three different soils of India: Status, Stoichiometry and relations*. Industrial Crops and Products. 168; 113589.
- Balasubramanian, D., Zang, Y. P., Grace, J., Sha, L., Jin, Y., Zhou, L., Lin, Y., Zhou, R., Gao, J., Song, Q., Liu, Y., & Zhou, W. (2020). *Soil organic matter as affected by the conversion of natural tropical rainforest to monoculture rubber plantation under arcic ferralsols*. Journal Catena. 195; 104753.
- Bandyopadhyay, S., & Maiti, S. K. (2021). *Application of statistical and machine learning approach for prediction of soil index formulated to evaluate trajectory of ecosystem recovery in coal mine degraded land*. Journal Ecological Engineering. 170; 106351.
- Behera, S. J., Mathur, R. K., Shukla, A. K., Suresh, K., & Prakash, C. (2018). *Spatial variability of soil properties and delineation of soil management zones of oil palm plantation grown in a hot and humid tropical region of southern India*. Journal Catena. 165; 251-259.

- Benedet, L., Guzman, S. F., Faria, W. M., Silva, S. H. G., Machini, M., Teixeira, A. F. D. S., Pierangeli, L. M. P., Junio, W. A. J., Gomide, L. R., Junior, A. L. P., Souza, I. A. D., Manezes, M. D., Marques, J.J., Guilherme, L. R. G., & Curi, N. (2021). *Rapid soil fertility prediction using x-ray fluorescence data and machine learning algorithms. Journal Catena.* 197; 1-15.
- Branch, R. M., (2010). *Introduction Design: The ADDIE Approach.* Springer.
- Bray, R. H., & Kurtz, L. T., (1945). *Determination of total, Organic, and Available forms of phosphorus in soil. Journal soil sains.* 59(1); 39-46.
- Chatterje, S., Hartemink, A. E., Triantafilis, J., Desai, A. R., Soldat, D., Zhu, J., Townsend, P. A., Zhang, Y., & Huang, J. (2021). *Characterization of field-scale soil variation using a atepwise multi-sensor fusion approach and a cost-benefit analysis. Journal Catena.* 201; 105190.
- Carson, P. L., (1980). *Recommended potassium test.* North Dakota Agriculture Ekperiment station. 17-18.
- Chen, S., Lind, B., Li, Y., & Zhou, S., (2020). *Spatial and Temporal changes of soil properties and soil fertility evaluation in a large grain-production area of subtropical plain, china. Journal Geoderma.* 357; 113937.
- Chen, C., Liu, W., Wu, J., Jiang, X & Zhu, X., (2019). *Can intercropping with the cash help improve the soil physisco-chemical properties of rubber plantations?.* Journal Geoderma. 335; 149-160.
- Choez, J. L., Zevallos, J. J., Juarez, A. L., Lopez, E. M., Zea, J., Nunez, M. E. T., Magallanes, J. L. M., & Montano, H. S. P. (2022). *Capacitance sensitivity study of interdigital capacitive sensor based on graphene for monitoring Nitrates concentrations. Journal Computers and Electronic in Agriculture.* 202; 107361
- Ding, L., Wang, S., Cai, B., Zhang, M., & Qu, C., (2018). *Application of portable X-ray fluorescence spectrometry in environmental investigation of heavy metal-contaminated sites and comparison with laboratory analysis: IOP Conference Series: Earth and Environmental Science,* 121; 032031.
- Elavarasan, D., Vincent, D. R., Sharma, V., Zomaya, A. Y., & Srinivasan, K. (2018). *Forecating yield by integrating agrarian factors and machine learning models: A survey. Journal Computers and Electronics in agriculture.* 155; 257-282.
- E-Layanan Sains. (2023). *Jasa Analisis X-Ray Flurecence (XRF) dan Scanining Electron Microscope (SEM).* Badan Riset Nasinal.

- Ermadani & Muzar, A. (2011). Pengaruh Aplikasi Limbah Cair Pabrik Kelapa Sawit Terhadap Hasil Kedelai dan Perubahan Sifat Kimia Tanah Ultisol. *J. Agron Indonesia* 39(3); 160-167.
- Eviati, E., Sulaiman, S., Herawaty, L., Anggraini, L., Usman, U., Tantika, H. E., Prihatini, R., & Wuningrum, P. (2023). Analisis Kimia Tanah, Tanaman, Air dan Pupuk. *Balai Penelitian Tanah*, Edisi 3.
- Eviati, E., Sulaiman, S., Sastramihardja, H., Aprillani, S. E., & Manalu, F. (2009). Analisis Kimia Tanah, Tanaman, Air dan Pupuk. *Balai Penelitian Tanah*, Edisi 2.
- Farid, F., Peslinof, M., Fendriani, Y., Handayani, L., & Afrianto, M. F. (2020). Perancangan Alat Ukur Multi Sensor Yang Terintegrasi Untuk Pengukuran Karakteristik Tanah Gambut. *Journal Online of Physics*, 6(1), 24-31.
- Fernades, A. R., Souza, E. S., Braz, A. M.D. S., Birani, S. M., & Alleoni, L. R. F. (2018). *Quality refrence values and bacground concentrations of potentially toxic elements in soils from the eastern Amazon, Brazil*. *Journal of Geochemical Exploration*. 190; 453-463.
- Fiamegos, Y., Papoci, S., Dumitrascu, C., Ghidotti, M., Zdiniakova, T., Ulberth, F., & Guntinas, M. B. C. (2021). *Are the elemental fingerprints of organic and conventional food different? ED-XRF as screening technique*. *Journal of Food Composition and Analysis*. 99;103854.
- Gidi, P., Falsone, G., Wilson, C., Cavani, L., Civatta, C., & Marzadori, C., (2021). *New insights into organic carbon stabilization in soil macroaggregat: an in situ study by optical microscopy and SEM-EDS technique*. *Geoderma*. 397; 115101.
- Hamed, K. B., Zorring, W & Hamzaoui, A. H. (2016). *Electrical impedance spectroscopy: A tool to investigation the responses of one halophyte to different growth and stress conditions*. *Journal Computers and Electronics in Agriculture*. 123; 376-383.
- He, Y., Gu, F., Xu, C., & Wang, Y., (2019). *Assesing of the influence of organic and inorganic amendemens on the physical-chemical properties of a red soil (Ultisol) Quality*. *Journal Cetena*. 183; 104231.
- Heckman, K. A., Swanston, C. W., Torn, M. S., Honson, P.J., Nave, L. E., Porras, R.C., Mishra, U., & Bill, M. (2021). *Soil organic matter is principally root derived in an Ultisol under oak forest*. *Journal Geoderma*. 403; 115385.
- Helfer, G. A., Barbosa, J, L, V., Santos, R, D., & Costa, B, D, C. (2020). *A computational model for soil fertility prediction in ubiquitous agriculture*. *Journal Computers and Electronics in Agriculture*. 175; 105602.

- Hitijahubessy, F.J.D., & Siregar, A. (2016). Peranan Bahan Organik Dan Pupuk Majemuk Npk Dalam Menentukan Percepatan Pertumbuhan Tanaman Jagung (*Zea Mays Saccharata* L.) Pada Tanah Inceptisol (Suatu Kajian Analisis Pertumbuhan Tanaman). *J. Budidaya Pertanian*. 12(1); 1858-4322.
- Hossain, M. A., & Rahman, M. M. (2012). *Gamma ray spectrometry in soil science: an overview*. Australian Journal of Basic and Applied Sciences, 6(8), 184-195.
- Jadoul, Y., Thompson, B., & Boer, B. D. (2018). *Introduction Parselmouth: A Python interface to pearth*. Journal of phonetic. 71; 1-15.
- Javadi, S. H., Munnaf, M.A., & Mouazen, A.M. (2021). *Fusion of Vis NIR and XRF spectra for estimation of key soil attributes*. Journal Geoderma. 385; 114851.
- Jinjing, L., Fusheng, Z., Long, X., Bo, K., Xiaohui, T., Yongfeng, D., & Chengbin, Y. (2019). *Mechanism of stabilized/solidified heavy metal contaminated soils with cement-fly ash based on electrical resistivity measurements*. Measurement. 14;85-94.
- Kamal, A. H. M., Hoqua, M. M., Idris, M. H., Billah, M.M., Karim, N. U., & Bhuiyan, M. K. A. (2020). *Nutrient properties of tidal-borne alluvial sediments from a tropical mangrove ecosystem*. Regional Studies in Marine Science, 36, 101299.
- Khaydukova, M., Kirsanov, D., Sarkar, S., Mukherjee, S., Ashina, J., Bhattacharyya, N., Chanda, S., Bandyopadhyay, R., & Legin, A. (2021). *One shot Evaluation of NPK in Soils by "electric Tongue"*. Juornal Computers and Electronics in Agriculture: 186 (2021) 106208.
- Khan, S. A., Mulvaney, R. L., & Hoet, R. G., (2001). *A simple soil test for detecting sites that are Nonrensponsive to Nitrogen Fertilization*. Journal Soil Science Society of American Jurnal. 65(6); 1751-1560.
- Kopacek, J., Borovec, J., Hejzlar, J & Porcal, P. (2001). *Spectrophotometric Determination Of Iron, Aluminum, And Phosphorus In Soil And Sediment Extracts After Their Nitric And Perchloric Acid Digestion*. Communication in Soils Science and Plant Analysis. 32; 9-10.
- Lazuardi, U., & Ramondian, S. (2015). *Low Cost Soil Sensor Based On Impedance Spectroskopy for in-situ Measurement*. AIP Conference Proceedings.
- Lavanya, G., Rani C., & Ganeshkumar, P., (2018). *An automated low cost IoT based fertilizer Intimation System for smart agriculture*. Journal Sustainable Computing: Informatics and Systems. 300;12

- Lima, D., Weindorf, D., Curi, N., Guilherme, L., Lana, R., & Ribeiro, B. (2019). *Elemental analysis of cerrado agricultural soil via portable X-ray fluorescence spectrometry: Inferences for soil fertility assessment*. *Jornal Geoderma*. 353; 264-272.
- Li, M., Jwo, K., & Yi, W. (2021). *A Novel spectroscopy-based method using monopole antenna for measuring soil water content*. *Journal Measurement*. 168; 108459.
- Lindsay, W. L., & Norvell, W. A. (1978). *Development of a DTPA soil test for zinc, iron, manganese, and copper*. *Soil Science Society of America Journal*, 42(3), 421-428.
- Lin, Y., Ye, G., Luo, J., Di, H.J., Lindsey, S., Fan, J., Liu, D., & Ding, W. (2021). *Long-term organic fertilization regulates the abundance of major nitrogen-cycling-related genes in aggregates from an acidic Ultisol*. *Applied Soil Ecology*. 165; 104014.
- Liu, Y., Li, H., Li, Z., Li, Y., Li, C., & Zhou, J. (2019). *Effects of Nitrogen Fertilization on Soil Physical Properties and Crop Yields in China: A Meta-Analysis*. *Sustainability*, 11(21), 6057.
- Mahdar, A., Ermadani, E., & Aryunis, A. (2021). *Pengaruh Aplikasi Biochar Dan Pupuk Fosfat Terhadap Pertumbuhan Dan Hasil Kedelai (Glycine Max (L.) Merrill) Di Tanah Ultisol*. *J. Solum*. 18(2); 45-65.
- Martinsens, V., Echeverri, J. L. M., Obia, A., Cornelissen, G., & Mulder, J. (2019). *Significant build-up of soil organic carbon under climate-smart conservation farming in Sub-Saharan Acrisols*. *Science of The Total Environment*. 660; 97-104.
- Mng'ong'o, M., Munishi, L. K., Blake, W., Comber, S., Hutchinson, T. H., & Ndakidemi, P. A. (2021). *Soil Fertility And Land Sustainability In Usangu Basin-Tanzania*. *Journal Heliyon*, 7; e07745.
- Munawar, A. A., Yunus, Y., Devianti, & Satriyo, P. (2020). *Calibration models database of near infrared spectroscopy to predict agricultural soil fertility properties*. *Journal Data In Brief*. 30; 105469.
- Mukhopandhyah, S., & Chakraborty, S., (2020). *Use of diffuse reflectance spectroscopy and Nikx pro color sensor in combination for rapid prediction of soil organic carbon*. *Journal Computers and Electronics in Agriculture*. 176; 1-9

- Meiging, L., Jiyang, L., Hanping, M., & Yanyou, W. (2016). *Diagnosis and detection of phosphorus nutrition level for solanum Lycopersicum based on electrical impedance spectroscopy*. Biosistem Engeneering, 143; 108-118.
- Munnaf, M. A., & Mouazen, A. M. (2021). *Devlopment of a soil fertility index using on-line Vis-NIR spectroscopy*. Journal Computers and Electronics in Agriculture. 188; 106341.
- Munawar, A. A., Yunus, Y., Devianti & Satrio, P., (2020). *Calibration models database of near infrared spectroscopy to predict agricultural soil fertility properties*. Journal data in brief. 30; 105469
- Nakazato, R. K., Lourenco, I. S., Esposito, M.P., Lima, M. E. L., Ferreira, M. L., Campos, R. D. O. A., Rinaldi, M. C. S., & Domingos, M. (2021). *Trace metals at tree-litter-soil- interface in Brazilian Atlantic Forest plots surrounded by sources of air pollution*. Environmental Pollution. 268;115797.
- Nawar, S., Delbecque, N., Declercq, Y., Smedt, P. D., inke, P., Verdoodt, A., Meirvenne, M. V., & Mouazen, A. M. (2019). *Can Spectral analyses improve measurement of key soil fertility parameters with X-ray fluorescence spectrometry?*. Journal geoderma. 350; 29-39.
- Ni, X., Lin, C., Chen, G., Xie, J., Yang, Z., Liu, X., Xiong, D., Xu, C., Yue, K., Wu, ., & Yang, Y. (2021). *Decline in nutrient inputs form litterfall following forest plantation in subtropical China*. Journal Forest Ecology and Management. 496; 119445.
- Olafisoye, O.B., Fatoki, O.S., Oguntibeju, O.O & Osibote, O.A. (2020). *Accumulation and risk assessment of metals in palm oil cultivated on contaminated oil palm platation Soils*. Toxicology Reports. 7; 324-334.
- Rahmad, Zainal, A., & Anwar, A. (2025). *Identification and Diversity of Micorrhizae in Several Rhizospheres of Plant Vegetation in Ultisol Land*. Jurnal Agronomi Tanaman Tropika. 7(1), 71-76.
- Rahmayuni, E., Anwar, S., Nugroho, B., & Indriyati, L.T. (2023). *Characteristics of Soil Chemical Properties Associated with Inceptisols in Various Land Use in Jasinga, Bogor*. J Trop Soils. 28(3); 89-97.
- Rezaei, A., Karparvarfard, S. H., Boldaji, M. N., Nejadian, H. A., & Tekeste, M. Z. (2022). *A new combined penetrometer-dielectric-low frequency acoustic-electrical conductivity sensor for measuring the soil physical characteristics*. Sensors and Actuators A: Physical. 347;113952.

- Santana, E. J., Santos, F. R. D., Mastelini, S. M., & Melquiades, F. L., Jr, S. B. (2021). *Improved prediction of soil properties with multi-target stacked generalitation on EDXRF spectra*. Journal Chemometrics and Intelligent Laboratory System. 209; 104231.
- Samsidar, S., Maison, M., Angraini, R. M., Afrianto, M. F., Peslinof, M., Handayani, L., Rustan, R., Nurhdayah, N., & Leastari, P. L. (2022). Analisis Nilai Konduktivitas Terhadap Perubahan unsur hara pada tanah inseptisol. *Journal Online of Physics*, 8(1); 36-42.
- Samsidar, Oktamuliani, S., & Umar, L. (2015). Analisis Pengaruh Pupuk KCL terhadap parameter kelembaban pada tanah inseptisol ntuk pengembangan sensor kelembaban tanah (Soil Moisture Sensor). *Prosiding*, 264-261
- Soewandita, H. (2012). Studi kesuburan tanah dan analisis kesesuaian lahan untuk komoditas tanaman perkebunan di Kabupaten Bengkalis. *Jurnal sains dan teknologi Indonesia*, 10(2).
- Stamford, N. P., Felix, F., Oliveira, W., Silva, E., Carolina, S., Arnaud, T., & Freitas, A. D. (2019). *Interactive effectiveness of microbial fertilizer enriched in N on lettuce growth and on characteristics of an Ultisol of the rainforest region*. Scientia Horticulture. 247; 242-246.
- Sullivan, S.T., Murray B., & Thies, J. C. (2013). *Soil bacterial and archaeal Community Composition Reflects hinh spatial hetergenety of pH, bioavailable Zn, and Cu in a Metalliferous Peat soil*. Jurnal Soil Biologi & Biochemistry: 66 (2013) 102-109.
- Tang, Y., Jones, E., & Minasny, B.(2019).*Evaluating low-cost portable near infrared sensors for rapid analysis of soil form South Eastern Australia*. Pre-proof.
- Tavares, T. R., Molin, J. P., Nunes, L. C., Alves, E. E. N., Melquades, F. L., Carvalho, H. W. P. D., & Mouazen, A. M. (2020). *Efect of X-Ray Tube Configuration on Measurement of Key Soil Fertility Attributes with XRF*. Remote Sensing, 12; 963.
- Teixeria, A. F., Pelegrino, M. H. P., Faria., W. M., Silva, S. H. G. Goncalves, M. G. M., Junior, . W. A., Gomide, L. R., Junior, A. L. P., Souza, I. A., Chakraborty, S., Weindorf, D. C., Guilherme, L. R. G., & Curi., N. (2020). *Tropical soil pH and Sorption Complex prediction via portable X-ray fluorescence spectrometry*. Journal Geoderma. 361; 114132.
- Tran, Q. T., Araki, K. S., & Kubo, M. (2021). An investigation of upland soil fertility from different soil types. *Journal Annals of Agricultural Sciences*. 66; 101-108.

- Umaternate, G. R., Abidjulu, J., & Wuntu, A. D., (2014). Uji Metode Olsen dan Bray dalam Menganalisis Kandungan Fosfat Tersedia pada Tanah Sawah di Desa Konarom Barat Dumoga Utara. *Jurnal MIPA UNSRAT ONLINE*. 3(1); 6-10.
- Padhilha, M.C.d. C., Vicente, L. E., Dematte, J. A. M., Loebmann, D. G., Vicente, A. K., Salazar, D. F. U., & Guimaraes., C. C.(2020). *Using Landsat and soil clay content to map soil organic carbon of oxisols and Ultisol near sao Paulo, Brazil*. *Geoderma Regional*. 21; e00253.
- Pal, A., Dubey, S. K., & Goel, S. (2022). *IoT enabled microfluidic colorimetric detection platform for continuous monitoring of nitrite and phosphate in soil*. *Journal and Electronics in Agriculture*. 195;106856.
- Pakpahan, I., Guchi, H., & Jamilah., (2019). Pemetaan Kandungan P-Tersedia, P-Total dan Logam Berat Kadmium pada lahan sawah di Desa Pematang Nibung Kecamatan Medang Deras Kabupaten Batu Bara. *Journal Agroekoteknlgi FP USU*. 7(2); 448-457.
- Petovar, B., Xhanari, K., and Finsgar, M. (2018). A detailed electrochemical impedance spectroscopy study of a bismuth-film glassy carbon electrode for trace metal anlysis. *Analytica Chimica Acta*, 1004 (2018), 10-21.
- Prabowo, R., & Subantoro, R. (2018). Analisis tanah sebagai indikator tingkat kesuburan lahan budidaya pertanian di Kota Semarang. *Cendekia Eksakta*, 2(2).
- Prasetyo, B.H., Suharta, N., Subagyo, H & Hikmatullah, H. (2001). *Chemical and Mineralogical Properties of Ultisols of Sasamba Area, East Kalimantan*. *Indonesian Journal of Agricultural Science*, 2(2); 37-47
- Purwanto, S., Gani, R.A., & Suryani, E. (2020). *Characteristics of Ultisols derived from basaltic andesite materials and their association with old volcanic landforms in Indonesia*. *SAINS TANAH – Journal of Soil Science and Agroclimatology*. 17(2); 135-143.
- Salwort, J. L., (2006). Soil Sampling And Analysis. *The University of Aeizona. Arizona*
- Wang, Q., Xia, B., Chen, L., Li, X., Li, L., & Li, L. (2021). *Real-time and wireless RFID sensor for nitrogen detection in soil*. *Biosensors and Bioelectronics*, 194, 113590. doi: 10.1016/j.bios.2021.113590.
- Wan, M., Hu, W, Qu, M., Li, W., Zhang, C., Kang, J., Hong, Y., Chen, Y., & Huang, B. (2020). *Rapit estimation of soil cation exchange capacity throung sensor data fusion of portable XRF spectrometry and VIS-NIR Spectrscopy*. *Journal Geoderma*. 363; 114163.

- Wu, D., Cai, C., Chen, X., Liu, S., Cheng, Y., Chen, F., & Jiang, W. (2019). *Effects of Soil Moisture and Texture on Phosphorus Availability in Paddy Soil*. *PLoS One*, 14(8), e0220771.
- Xu, D., Chen, s., Rossel, V., Biwas, A, Li, s., Zhou, Y., & Shi, Z. (2019). *Xray fluorescence and visible near infrared sensor fusion for predicting soil chromium content*. *Journal Geoderma*. 352; 61-69.
- Xu, H., Demetriades, A., Reimann, C., Jimenez, J.J., Filser, J., & Zhang, C. (2019). *Identification o the co-existence of low total organic carbon contents and low pH values in agricultural soil in north-central Europe using hot spot analysis based on GEMAS project data*. *Science of The Total Environment*. 678; 94-104.
- Xu, P., Liu, Y., Zhu, J., Shi, L., Fu, Q., Chen, J., Hu, H., & Huang, Q. (2020). *Influence mechanisms of long-term fertilizations on the mineralization of organic metter in Ultisol*. *Soil & Tillage Research*. 201; 104594.
- Ye, G., Lin, Y., Kuzyakov, Y., Liu, D., Luo, J., Lindsey, S., Wang, W., Fan, J., & Ding, W. (2019). *Manure over crop residues increases soil organic matter but decreases microbia necromass relative contribution in upland Ultisols: Results of a27-year field experiment*. *Journal Soil Biology and Biochemistry*.134;15-24.
- Yin, D., & Xu, Q. (2021). Investigating the damage evaluation of sanstone using electrical impedance spectroscopy. *International Journal of Rock Mechanics and Mining Sciences*. 144; 104817.
- Yuan, Z., Jin, X., Xiao, W., Wang, L., Sun, Y., Guan, Q & Meshack, A. O., (2022). *Comparing soil organic carbon stoct and ractions under natural secondary forest and pinus massoniana plantation in subtropical China*. *CATENA*. 212; 106092.
- Zimmermann, I., & Horn, R., (2020). *Impact of sampels pretreatment on the results of texture analysis in different soils*. *Journal Geoderma*. 371; 114379.
- Zhang, X., Zou, Y., Chen, J., Ma, D., Li, H., & Li, Y. (2020). *Effects of Organic Fertilizer Application on Soil Physical Properties and Crop Yields in China: A Meta-Analysis*. *Sustainability*, 12(22), 9417
- Zhao, Q., Gan, Y., Deng, Y., Zhou, H., & Zhao, H. (2022). *Identifying carbon processing based on molecular differences between groundwater and water-extractable aquifer sediment dissolved organic matter in a Quaternary alluvial-lacustrine aquifer*. *Applied Geochemistry*. 137;105199.