

DAFTAR PUSTAKA

- [1] Ayi Muziyawati, Ajrieh Setyawan, and Miswanto, "Penerimaan Limbah Radioaktif Hasil Clean Up dari Perumahan Batan Indah," in *Penelitian dan Kegiatan PTLR Tahun 2020*, Tangerang Selatan: IAEA, 2021. [Online]. Available: <https://inis.iaea.org/search/54113018>
- [2] Ajrieh Setyawan, Purwantara, Hendro, A. Muziyawati, Miswanto, S. Darmawan, Mas'udi, Nurhasyim, dan S. Bambang, "Pengelolaan Limbah Radioaktif dan Bahan Berbahaya dan Beracun di Pusat Teknologi Limbah Radioaktif," in *Penelitian dan Kegiatan PTLR Tahun 2020*, Tangerang Selatan: IAEA, 2021. [Online]. Available: <https://inis.iaea.org/search/54112998>
- [3] "Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 16 Tahun 2012 tentang Tingkat Klierens," JDIH Badan Pengawas Tenaga Nuklir. Accessed: Jun. 20, 2024. [Online]. Available: <https://jdih.bapeten.go.id/en/dokumen/peraturan/peraturan-kepala-badan-pengawas-tenaga-nuklir-nomor-16-tahun-2012-tentang-tingkat-klierens>
- [4] K. Tamura, H. Yamashita, T. Kogure, M. Morita, A. Yamagishi, and H. Sato, "Removal of Cesium Ions from Radioactively Contaminated Soils Using Microwave Treatment," *Clay Sci.*, vol. 25, no. 1–2, pp. 7–11, 2021, doi: 10.11362/jcssjclayscience.MS-21-2.
- [5] Uk-Ryang Park, Gye-Nam Kim, Seung-Soo Kim, Hye-Min Park, Wan-Suk Kim, and Jai-Kwon Moon, "A Study on the Removal of Cesium in Soil Contaminated with Radiation Using a Soil Washing Process," *Trans. Korean Nucl. Soc. Spring Meet.*, 2013, [Online]. Available: https://www.kns.org/files/pre_paper/2/13S-03C-14A-%EB%B0%95%EC%9A%B1%EB%9F%89.pdf
- [6] L. G. Torres, R. B. Lopez, and M. Beltran, "Removal of As, Cd, Cu, Ni, Pb, and Zn from a highly contaminated industrial soil using surfactant enhanced soil washing," *Phys. Chem. Earth Parts ABC*, vol. 37–39, pp. 30–36, Jan. 2012, doi: 10.1016/j.pce.2011.02.003.
- [7] S. Song, L. Zhu, and W. Zhou, "Simultaneous removal of phenanthrene and cadmium from contaminated soils by saponin, a plant-derived biosurfactant," *Environ. Pollut.*, vol. 156, no. 3, pp. 1368–1370, Dec. 2008, doi: 10.1016/j.envpol.2008.06.018.
- [8] M. K. Gupta, R. K. Srivastava, and A. K. Singh, "Bench Scale Treatability Studies of Contaminated Soil Using Soil Washing Technique," *J. Chem.*, vol. 7, no. 1, p. 463175, 2010, doi: 10.1155/2010/463175.
- [9] I. Shimoyama, N. Hirao, T. Izumi, Y. Okamoto, T. Yaita, dan S. Suzuki, "Low-Pressure Sublimation Method for Cesium Decontamination of Clay Minerals," *Clay Sci.*, vol. 18, no. 3, pp. 71–77, 2014, doi: 10.11362/jcssjclayscience.18.3_71.
- [10] H. B. Jung, J.-S. Yang, and W. Um, "Bench-scale electrokinetic remediation for cesium-contaminated sediment at the Hanford Site, USA," *J. Radioanal.*



- Nucl. Chem.*, vol. 304, no. 2, pp. 615–625, May 2015, doi: 10.1007/s10967-014-3852-0.
- [11] S. Ali, D. Wang, A. R. Kaleri, S. B. Baloch, M. Brtnicky, J. Kucerik, dan A. Mustafa, “Physiological Responses and Phytoremediation Abilities of Cucumber (*Cucumis sativus* L.) under Cesium and Strontium Contaminated Soils,” *Agronomy*, vol. 12, no. 6, Art. no. 6, Jun. 2022, doi: 10.3390/agronomy12061311.
- [12] B. Park and Y. Son, “Ultrasonic and mechanical soil washing processes for the removal of heavy metals from soils,” *Ultrason. Sonochem.*, vol. 35, pp. 640–645, Mar. 2017, doi: 10.1016/j.ultsonch.2016.02.002.
- [13] K. Tamura, H. Sato, and A. Yamagishi, “Desorption of Cs⁺ ions from a vermiculite by exchanging with Mg²⁺ ions: effects of Cs⁺-capturing ligand,” *J. Radioanal. Nucl. Chem.*, vol. 303, no. 3, pp. 2205–2210, Mar. 2015, doi: 10.1007/s10967-014-3744-3.
- [14] D. A. Radu, R. Isopescu, E. Panturu, and A. Woinaroschy, “Optimization of uranium soil decontamination in alkaline washing using mechanical stirring and ultrasound field,” *Environ. Sci. Pollut. Res.*, vol. 27, no. 6, pp. 5941–5950, Feb. 2020, doi: 10.1007/s11356-019-07063-0.
- [15] S.-H. Chang, K.-S. Wang, C.-Y. Kuo, C.-Y. Chang, and C.-T. Chou, “Remediation of Metal-Contaminated Soil by an Integrated Soil Washing-Electrolysis Process,” *Soil Sediment Contam. Int. J.*, vol. 14, no. 6, pp. 559–569, Nov. 2005, doi: 10.1080/15320380500263758.
- [16] “Peraturan Kepala Badan Nomor 8 Tahun 2016 Tahun 2016 Tentang Pengolahan Limbah Radioaktif Tingkat Rendah dan Tingkat Sedang,” JDIH Badan Pengawas Tenaga Nuklir. Accessed: Jan. 03, 2024. [Online]. Available: <https://jdih.bapeten.go.id/id/dokumen/peraturan/peraturan-kepala-badan-no-8-tahun-2016-tahun-2016-tentang-pengolahan-limbah-radioaktif-tingkat-rendah-dan-tingkat-sedang>
- [17] Mirawaty, “Pengolahan Resin Penukar Ion Bekas Menggunakan Reagen Fenton,” *Pus. Teknol. Limbah Radioakt.-BATAN*, [Online]. Available: https://inis.iaea.org/collection/NCLCollectionStore/_Public/54/046/54046904.pdf
- [18] “Peraturan Pemerintah Nomor 61 Tahun 2013 tentang Pengelolaan Limbah Radioaktif,” JDIH Badan Pengawas Tenaga Nuklir. Accessed: Jul. 21, 2025. [Online]. Available: <https://jdih.bapeten.go.id/id/dokumen/peraturan/peraturan-pemerintah-nomor-61-tahun-2013-tentang-pengelolaan-limbah-radioaktif>
- [19] H. Zamroni, “Studi Limbah Radioaktif yang Ditimbulkan dari Operasional Pltn Pwr 1000 Mwe,” *Bul. Limbah*, vol. 8, no. 2, p. 241384, 2004.
- [20] Suryantoro, “Predisposal Limbah Radioaktif dari Operasional PLTN 1000 MWe,” in *Prosiding Seminar Teknologi Pengelolaan Limbah V*, Pusat Teknologi Limbah Radioaktif - BATAN, pp. 1–4. [Online]. Available: <file:///C:/Users/Gabylla%20Ivanka/Downloads/45058455.pdf>
- [21] I.-H. Yoon, C. W. Park, I. Kim, H.-M. Yang, S.-M. Kim, and J.-H. Kim, “Characteristic and remediation of radioactive soil in nuclear facility sites: a



- critical review,” *Environ. Sci. Pollut. Res.*, vol. 28, no. 48, pp. 67990–68005, Dec. 2021, doi: 10.1007/s11356-021-16782-2.
- [22] J. S. Devgun, N. J. Beskid, M. E. Natsis, and J. S. Walker, “Soil washing as a potential remediation technology for contaminated DOE sites,” Argonne National Lab., IL (United States), ANL/CMT/CP-78935; CONF-930205-25, Mar. 1993. Accessed: Jun. 11, 2025. [Online]. Available: <https://www.osti.gov/biblio/10138855>
- [23] M. Funakawa, A. Tagawa, and N. Okuda, “Testing of multistep soil washing for radiocesium-contaminated soil containing plant matter; 植物が混入した放射性セシウム汚染土壌の多段階土壌洗浄処理試験,” *Nippon Genshiryoku Gakkai Wabun Ronbunshi Online*, vol. 11, Dec. 2012, doi: 10.3327/TAESJ.J12.017.
- [24] G. Dermont, M. Bergeron, G. Mercier, and M. Richer-Lafleche, “Soil washing for metal removal: A review of physical/chemical technologies and field applications,” *J. Hazard. Mater.*, vol. 152, no. 1, pp. 1–31, Mar. 2008, doi: 10.1016/j.jhazmat.2007.10.043.
- [25] A. Dadrasnia, N. Shahsavari, and C. Emenike, “Remediation of Contaminated Sites,” in *Hydrocarbon*, Intech, 2013, pp. 65–82. doi: 10.5772/51591.
- [26] S. D Donald L. Ph, *Environmental soil chemistry*, 2nd ed. Amsterdam, Boston: Academic Press, 2003.
- [27] I. Ko, Y.-Y. Chang, C.-H. Lee, and K.-W. Kim, “Assessment of pilot-scale acid washing of soil contaminated with As, Zn and Ni using the BCR three-step sequential extraction,” *J. Hazard. Mater.*, vol. 127, no. 1, pp. 1–13, Dec. 2005, doi: 10.1016/j.jhazmat.2005.06.041.
- [28] J.-C. Yoo, J. Beiyuan, L. Wang, D. C. W. Tsang, K. Baek, N. S. Bolan, Y. S. Ok, dan X. d. Li, “A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils,” *Sci. Total Environ.*, vol. 616–617, pp. 572–582, Mar. 2018, doi: 10.1016/j.scitotenv.2017.10.310.
- [29] M. Isoyama and S.-I. Wada, “Remediation of Pb-contaminated soils by washing with hydrochloric acid and subsequent immobilization with calcite and allophanic soil,” *J. Hazard. Mater.*, vol. 143, no. 3, pp. 636–642, May 2007, doi: 10.1016/j.jhazmat.2007.01.008.
- [30] X. Mao, R. Jiang, W. Xiao, and J. Yu, “Use of surfactants for the remediation of contaminated soils: A review,” *J. Hazard. Mater.*, vol. 285, pp. 419–435, Mar. 2015, doi: 10.1016/j.jhazmat.2014.12.009.
- [31] S. Paria, “Surfactant-enhanced remediation of organic contaminated soil and water,” *Adv. Colloid Interface Sci.*, vol. 138, no. 1, pp. 24–58, Apr. 2008, doi: 10.1016/j.cis.2007.11.001.
- [32] M. Fidanza, S. Kostka, and C. Bigelow, “Communication of soil water repellency causes, problems, and solutions of intensively managed amenity turf from 2000 to 2020,” *J. Hydrol. Hydromech.*, vol. 68, no. 4, pp. 306–312, Oct. 2020, doi: 10.2478/johh-2020-0032.
- [33] E. Browne and J. K. Tuli, “Livechart - Table of Nuclides - Nuclear structure and decay data - 137Cs,” Live Chart of Nuclides-IAEA. Accessed: Dec. 25,



2024. [Online]. Available: <https://www-nds.iaea.org/relnsd/vcharthtml/VChartHTML.html>
- [34] S. Min, H. Kang, B. Seo, C. Roh, S. Hong, and J. Cheong, “Integrated and portable probe based on functional plastic scintillator for detection of radioactive cesium,” *Appl. Sci. Switz.*, vol. 11, no. 11, Art. no. 11, 2021, doi: 10.3390/app11115210.
- [35] “BRIN Hasilkan Sumber Standar Radionuklida Cs-137 Pasca Iradiasi,” BRIN - BRIN Hasilkan Sumber Standar Radionuklida Cs-137 Pasca Iradiasi. Accessed: Dec. 25, 2024. [Online]. Available: <https://brin.go.id/news/116429/brin-hasilkan-sumber-standar-radionuklida-cs-137-pasca-iradiasi>
- [36] D. Mukanthi, A. Jayuska, M. Makmur, and N. Idiawati, “Kajian Kualitas Air Laut dan Dosis Cesium 137 Pada Biota di Pantai Gosong, Kalimantan Barat Sebagai Calon Tapak PLTN,” *J. Pengemb. Energi Nukl.*, vol. 23, no. 2, Art. no. 2, Dec. 2021, doi: 10.17146/jpen.2021.23.2.6539.
- [37] J. Aaseth, V. M. Nurchi, and O. Andersen, “Medical Therapy of Patients Contaminated with Radioactive Cesium or Iodine,” *Biomolecules*, vol. 9, no. 12, p. 856, Dec. 2019, doi: 10.3390/biom9120856.
- [38] G. Steinhauser, A. Brandl, and T. E. Johnson, “Comparison of the Chernobyl and Fukushima nuclear accidents: A review of the environmental impacts,” *Sci. Total Environ.*, vol. 470–471, pp. 800–817, Feb. 2014, doi: 10.1016/j.scitotenv.2013.10.029.
- [39] CDC, “Cesium-137,” Radiation Emergencies. Accessed: Feb. 17, 2025. [Online]. Available: <https://www.cdc.gov/radiation-emergencies/hcp/isotopes/cesium-137.html>
- [40] Jozef Sabol, Ľudovít Lipták, Jan Bajura, Eva Fojčíková, and Peter Čarný, “Application of Dispersion Models of Este for Modelling of The Radiological Impact of Released Cs-137 in A Specific Urban Environment,” presented at the RAP, RAP Proceedings, 2024, pp. 23–28. doi: 10.37392/RAPPROC.2024.06.
- [41] N. Filipović-Vinceković, D. Barišić, N. Mašić, and S. Lulić, “Distribution of fallout radionuclides through soil surface layer,” *J. Radioanal. Nucl. Chem.*, vol. 148, no. 1, pp. 53–62, Mar. 1991, doi: 10.1007/BF02060546.
- [42] L. Giani and H. Helmers, “Migration of Cesium-137 in typical soils of North Germany ten years after the Chernobyl accident,” *Z. Für Pflanzenernähr. Bodenkd.*, vol. 160, no. 1, pp. 81–83, 1997, doi: 10.1002/jpln.19971600114.
- [43] S.-M. Park, D. S. Alessi, and K. Baek, “Selective adsorption and irreversible fixation behavior of cesium onto 2:1 layered clay mineral: A mini review,” *J. Hazard. Mater.*, vol. 369, pp. 569–576, May 2019, doi: 10.1016/j.jhazmat.2019.02.061.
- [44] J. K. Ferenbaugh, P. R. Fresquez, M. H. Ebinger, G. J. Gonzales, and P. A. Jordan, “Radionuclides in Soil and Water Near a Low-Level Disposal Site and Potential Ecological and Human Health Impacts,” *Environ. Monit. Assess.*, vol. 74, no. 3, pp. 243–254, Mar. 2002, doi: 10.1023/A:1014232529482.
- [45] B. J. Howard, N. A. Beresford, D. Copplestone, D. Telleria, G. Proehl, S. Fesenko, R. A. Jeffree, T. L. Yankovich, J. E. Brown, K. Highley, M. P. Johansen, H. Mulye, H. Vandenhove, S. Gashchank, M. D. Wood, H. Takata,



- P. Andersson, P. Dale, J. Ryan, A. Bollhöfer, C. Doering, C. L. Barnett, dan C. Wells, "The IAEA handbook on radionuclide transfer to wildlife," *J. Environ. Radioact.*, vol. 121, pp. 55–74, Jul. 2013, doi: 10.1016/j.jenvrad.2012.01.027.
- [46] T. Akharawutchayanon, P. sopapan, S. Yotthuan, P. Gunhakoon, K. Yubonmhat, S. Issarapanacheewin, W. Katekaew, dan N. Prasertchiewchan, "Removal efficiency of ^{137}Cs from radioactively contaminated electric arc furnace dust using different solvents," *Case Stud. Chem. Environ. Eng.*, vol. 8, p. 100409, Dec. 2023, doi: 10.1016/j.cscee.2023.100409.
- [47] S. Arita, R. P. Sari, and I. Liony, "Purifikasi Limbah Spent Acid dengan Proses Adsorpsi Menggunakan Zeolit dan Bentonit," *J. Tek. Kim. Univ. Sriwij.*, vol. 21, no. 4, Art. no. 4, 2015, Accessed: Feb. 19, 2025. [Online]. Available: <http://jtk.unsri.ac.id/index.php/jtk/issue/archive?issuesPage=1#issues>
<http://jtk.unsri.ac.id/index.php/jtk/issue/view/46>
<http://jtk.unsri.ac.id/index.php/jtk/article/view/227>
- [48] A. Cuculovic and D. Veselinović, "Extraction of ^{137}Cs from moss using solutions similar to acid rain," *Nucl. Technol. Radiat. Prot.*, vol. 34, pp. 34–34, Jan. 2019, doi: 10.2298/NTRP190520034C.
- [49] M. Johnson, "Detergents: Triton X-100, Tween-20, and More," *Mater. Methods*, May 2023, Accessed: May 22, 2025. [Online]. Available: <https://www.labome.com/method/Detergents-Triton-X-100-Tween-20-and-More.html>
- [50] "Triton® X-100 MSDS - 108603 - Merck." Accessed: Feb. 20, 2025. [Online]. Available: https://www.merckmillipore.com/ID/id/product/msds/MDA_CHEM-108603
- [51] J. G. Parra, P. Iza, H. Dominguez, E. Schott, and X. Zarate, "Effect of Triton X-100 surfactant on the interfacial activity of ionic surfactants SDS, CTAB and SDBS at the air/water interface: A study using molecular dynamic simulations," *Colloids Surf. Physicochem. Eng. Asp.*, vol. 603, p. 125284, Oct. 2020, doi: 10.1016/j.colsurfa.2020.125284.
- [52] K. Thakkar, B. Bharatiya, D. Ray, V. K. Aswal, and P. Bahadur, "Molecular interactions involving aqueous Triton X-100 micelles and anionic surfactants: Investigations on surface activity and morphological transitions," *J. Mol. Liq.*, vol. 223, pp. 611–620, Nov. 2016, doi: 10.1016/j.molliq.2016.08.086.
- [53] P. L. Stelmack, M. R. Gray, and M. A. Pickard, "Bacterial adhesion to soil contaminants in the presence of surfactants," *Appl. Environ. Microbiol.*, vol. 65, no. 1, pp. 163–168, Jan. 1999, doi: 10.1128/AEM.65.1.163-168.1999.
- [54] David A. Edwards, Richard G. Luthy, and Zhongbao Liu, "Solubilization of polycyclic aromatic hydrocarbons in micellar nonionic surfactant solutions," *Environ. Sci. Technol.*, vol. 1, no. 25, pp. 127–133, 1991.
- [55] F. A. Ogunmokun and R. Wallach, "Effect of surfactant surface and interfacial tension reduction on infiltration into hydrophobic porous media," *Geoderma*, vol. 441, p. 116735, Jan. 2024, doi: 10.1016/j.geoderma.2023.116735.
- [56] A. Giannis, E. Gidaracos, and A. Skouta, "Application of sodium dodecyl sulfate and humic acid as surfactants on electrokinetic remediation of cadmium-



- contaminated soil,” *Desalination*, vol. 211, no. 1, pp. 249–260, Jun. 2007, doi: 10.1016/j.desal.2006.02.097.
- [57] P. Conte, A. Agretto, R. Spaccini, and A. Piccolo, “Soil Remediation: Humic Acids as Natural Surfactants in The Washings of Highly Contaminated Soils,” *Environ. Pollut.*, vol. 135, no. 3, pp. 515–522, Jun. 2005, doi: 10.1016/j.envpol.2004.10.006.
- [58] W. Zhang, D. C. W. Tsang, and I. M. C. Lo, “Removal of Pb by EDTA-washing in the presence of hydrophobic organic contaminants or anionic surfactant,” *J. Hazard. Mater.*, vol. 155, no. 3, pp. 433–439, Jul. 2008, doi: 10.1016/j.jhazmat.2007.11.084.
- [59] N. Hafizoğlu, “Efficiency and energy resolution of gamma spectrometry system with HPGe detector depending on variable source-to-detector distances,” *Eur. Phys. J. Plus*, vol. 139, no. 2, p. 134, Feb. 2024, doi: 10.1140/epjp/s13360-024-04903-y.
- [60] P. J. Wallbrink, D. E. Walling, and Q. He, “Radionuclide Measurement Using HPGe Gamma Spectrometry,” in *Handbook for the Assessment of Soil Erosion and Sedimentation Using Environmental Radionuclides*, F. Zapata, Ed., Dordrecht: Springer Netherlands, 2003, pp. 67–96. doi: 10.1007/0-306-48054-9_5.
- [61] M. Imaizumi, “Overview on Spectral Analysis Techniques for Gamma Ray Spectrometry,” *Nucl. Sci.*, vol. 9, no. 1, Art. no. 1, May 2024, doi: 10.11648/j.ns.20240901.12.
- [62] G. Cinelli, “Indoor and Outdoor Natural Radioactivity in The Vulsini Volcanic District (Central Italy): Estimation of Doses and Radiological Risks,” Università di Bologna, Italy, 2012.
- [63] N. Tsoulfanidis and S. Landsberger, *Measurement and Detection of Radiation, Fourth Edition*. Taylor & Francis Group, 2015.
- [64] H. Wijayanto, M. Tsujimoto, T. Basuki, and S. Nakashima, “Comparison of cationic surfactant and acid solution for remediation of actual ¹³⁷Cs-contaminated soil from Fukushima prefecture,” *AIP Conf. Proc.*, vol. 2381, no. 1, p. 020107, Nov. 2021, doi: 10.1063/5.0066492.
- [65] A. E. Osmanlioglu, “Decontamination of radioactive wastewater by two-staged chemical precipitation,” *Nucl. Eng. Technol.*, vol. 50, no. 6, pp. 886–889, Aug. 2018, doi: 10.1016/j.net.2018.04.009.
- [66] S. Sawyer, “Analysis of Variance: The Fundamental Concepts,” *J. Man. Manip. Ther.*, vol. 17, pp. 27E-38E, Apr. 2009, doi: 10.1179/jmt.2009.17.2.27E.
- [67] Raymond Nen Yong, Abdel-Mohsen Onsy Mohamed, and Benno P. Warkentin, *Principles of contaminant transport in soils*, vol. 73. Amsterdam: Elsevier Science Publishers, 1992. [Online]. Available: <https://www.sciencedirect.com/science/article/abs/pii/0022169493901483?via%3Dihub>
- [68] J. Lee, S.-M. Park, E.-K. Jeon, and K. Baek, “Selective and irreversible adsorption mechanism of cesium on illite,” *Appl. Geochem.*, vol. 85, pp. 188–193, Oct. 2017, doi: 10.1016/j.apgeochem.2017.05.019.



- [69] J. H. Kim, H. Anwer, Y. S. Kim, and J.-W. Park, “Decontamination of radioactive cesium-contaminated soil/concrete with washing and washing supernatant– critical review,” *Chemosphere*, vol. 280, p. 130419, Oct. 2021, doi: 10.1016/j.chemosphere.2021.130419.
- [70] R. S. Hebbbar, A. M. Isloor, and A. F. Ismail, “Preparation and evaluation of heavy metal rejection properties of polyetherimide/porous activated bentonite clay nanocomposite membrane,” *RSC Adv.*, vol. 4, no. 88, pp. 47240–47248, 2014, doi: 10.1039/c4ra09018g.
- [71] A. J. Fuller, S. Shaw, M. B. Ward, S. J. Haigh, J. F. Mosselmans, C. L. Peacock, S. Stackhouse, A. J. Dent, Divyesh, T, dan I. T. Burke, “Caesium incorporation and retention in illite interlayers,” *Appl. Clay Sci.*, vol. 108, pp. 128–134, May 2015, doi: 10.1016/j.clay.2015.02.008.
- [72] B. L. Sawhney, “Selective Sorption and Fixation of Cations by Clay Minerals: A Review,” *Clays Clay Miner.*, vol. 20, no. 2, pp. 93–100, Apr. 1972, doi: 10.1346/CCMN.1972.0200208.
- [73] M. S. Rodríguez-Cruz, M. J. Sanchez-Martin, and M. Sanchez-Camazano, “A comparative study of adsorption of an anionic and a non-ionic surfactant by soils based on physicochemical and mineralogical properties of soils,” *Chemosphere*, vol. 61, no. 1, pp. 56–64, Sep. 2005, doi: 10.1016/j.chemosphere.2005.03.016.
- [74] Ai C., Sun P., Wu A., Chen X., and Liu C., “Accelerating Leaching of Copper Ore with Surfactant and The Analysis of Reaction Kinetics,” *Int. J. Miner. Metall. Mater.*, vol. 26, no. 3, pp. 274–281, Mar. 2019, doi: 10.1007/s12613-019-1735-7.
- [75] “Kolmogorov–Smirnov Test,” in *The Concise Encyclopedia of Statistics*, Springer, New York, NY, 2008, pp. 283–287. doi: 10.1007/978-0-387-32833-1_214.

