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- ☐ 20248
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Detecting mercury ions in water using a low-cost colorimetric sensor derived from immobilized silver nanoparticles on a paper substrate <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Budlayan, M.L., Dalagan, J., Lagare-Oracion, J.P. and 7 more	2022	Environmental Nanotechnology, Monitoring and Management	28
Transport of toxic metals in the bottom sediments and health risk assessment of Corbicula fluminea (Asiatic clam) collected from Laguna de Bay, Philippines <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Diwa, R.R., Elvira, M.V., Deocarís, C.C. and 2 more	2022	Science of the Total Environment	21
Gold nanoparticles-decorated paper-based sensor for rapid cyanide detection in water <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Budlayan, M.L., Lagare-Oracion, J.P., Rosa, L.D. and 9 more	2021	Advances in Natural Sciences: Nanoscience and Nanotechnology	16
Preparation of Spin-Coated Poly(vinyl alcohol)/chitosan/ Gold Nanoparticles Composite and Its Potential for Colorimetric Detection of Cyanide in Water <i>Open Access</i> <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Budlayan, M.L.M., Oracion, J.P.L., De La Rosa, L.B. and 9 more	2022	Polish Journal of Environmental Studies	12
Assessment of Land Use Land Cover Classification using Support Vector Machine and Random Forest Techniques in the Agusan River Basin through Geospatial Techniques <i>Open Access</i> <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Luzorata, J.G., Bocobo, A.E., Detera, L.M. and 2 more	2023	International Exchange and Innovation Conference on Engineering and Sciences	11
Functionalized silver nanoparticle-decorated paper sensor for rapid colorimetric detection of copper	Budlayan, M.L.M., Patricio, J.N., Lagare, J.P.B.	2021	Functional Composites and Structures	9

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		Synthesis and characterization of Fe 3 O 4 /BiOCl/ Cu 2 O composite as photocatalyst for the degradation of organic dyes	Licayan, K.D.O., Manigo, J.P., Oracion, J.P.L. and 4 more	2020	Materials Today: Proceedings	9
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Real-time detection of cyanide in surface water and its automated data acquisition and dissemination system	Demetillo, A.T., Capangpangan, R.Y., Bonotan, M.C. and 2 more	2020	Nature Environment and Pollution Technology	3
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From Waste to Wealth: Entrepreneurial Ventures in Chitosan Extraction for Environmental Sustainability	Sulistyowati, L., Syarif, M., Elvira, M.V. and 4 more	2024	APTISI Transactions on Technopreneurship	2
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> <a href="#">View abstract</a> <a href="#">View in Scopus</a>				

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Mapping Phosphorus Concentration in Lake Mainit, Philippines Using Landsat 8 OLI and GIS Techniques <i>Open Access</i> <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Cauba, A.G., Ferrer, L.P.	2024	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	0
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Impact Assessment of the Government-installed Solar-Powered Irrigation Systems in Agusan del Sur <i>Open Access</i> <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Dalman, A.M., Jimena, D.M.L., Soliman, C.M. and 1 more	2024	International Exchange and Innovation Conference on Engineering and Sciences	0
A geoinformatics-based modeling and mapping techniques for an integrated surface water quality monitoring and assessment <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Japitana, M.V., Demetillo, A.T., Taboada, E.B. and 2 more	2020	40th Asian Conference on Remote Sensing, ACRS 2019: Progress of Remote Sensing Technology for Smart Future	0
Evaluating the Potential of Maize (Zea Mays) Cobs for Mercury Removal from Small_Scale Gold Mining Wastewater <i>Open Access</i> <a href="#">View abstract</a> <a href="#">View in Scopus</a>	Sanchez, J.J.J., Yu, J.M., Moran, D.R.	2024	International Exchange and Innovation Conference on Engineering and Sciences	0
Water Resource Potential Assessment for Pump Irrigation Systems for Open Source in Caraga Region,	Apdohan, A.G.	2021	2021 IEEE 13th International Conference on Humanoid, Nanotechnology, Information Technology,	0

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Philippines <a href="#">View abstract</a> <a href="#">View in Scopus</a> ↗		Communication and Control, Environment, and Management, HNICEM 2021	