

Waste Disposal & Sustainable Energy

Topic: Waste to construction materials

* Sun, C., Wang, L., Lin, X. *et al.* **Low-carbon stabilization/solidification of municipal solid waste incineration fly ash.** *Waste Dispos. Sustain. Energy* 4, 69–74 (2022). <https://doi.org/10.1007/s42768-022-00102-6>

Full free-text: <https://rdcu.be/dwXBK>

Jia, Q., Zhuge, Y., Duan, W. *et al.* **Valorisation of alum sludge** to produce green and durable mortar. *Waste Dispos. Sustain. Energy* 4, 283–295 (2022). <https://doi.org/10.1007/s42768-022-00113-3>

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Ramalingam, M., Sivamani, J. & Narayanan, K. Performance studies on **recycled aggregate concrete** with treated recycled aggregates. *Waste Dispos. Sustain. Energy* 5, 451–459 (2023). <https://doi.org/10.1007/s42768-023-00157-z>

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Duan, Y., Liu, X., Khalid, Z. *et al.* Effect of the MgO/SiO₂ ratio on MgO–silica **binders solidifying MSWI fly ash.** *Waste Dispos. Sustain. Energy* 5, 551–558 (2023). <https://doi.org/10.1007/s42768-023-00164-0>

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Li, J., Hou, X., Jia, A. *et al.* Influencing factors and optimization on mechanical performance of solid **waste-derived rapid repair mortar.** *Waste Dispos. Sustain. Energy* 5, 223–234 (2023). <https://doi.org/10.1007/s42768-022-00133-z>

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Zhao, L., Zhang, D., Hu, Y. *et al.* Release behavior of **soluble salts in MSWI bottom ash** used as road basement materials under continuous rainfall conditions. *Waste Dispos. Sustain. Energy* 5, 525–534 (2023). <https://doi.org/10.1007/s42768-023-00161-3>

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Zhang, L., Zhang, W., Li, M. *et al.* **Coal fly ash reinforcement** for the property enhancement of crude glycerol-based polyurethane foam composites. *Waste Dispos. Sustain. Energy* 4, 271–282 (2022). <https://doi.org/10.1007/s42768-022-00112-4>

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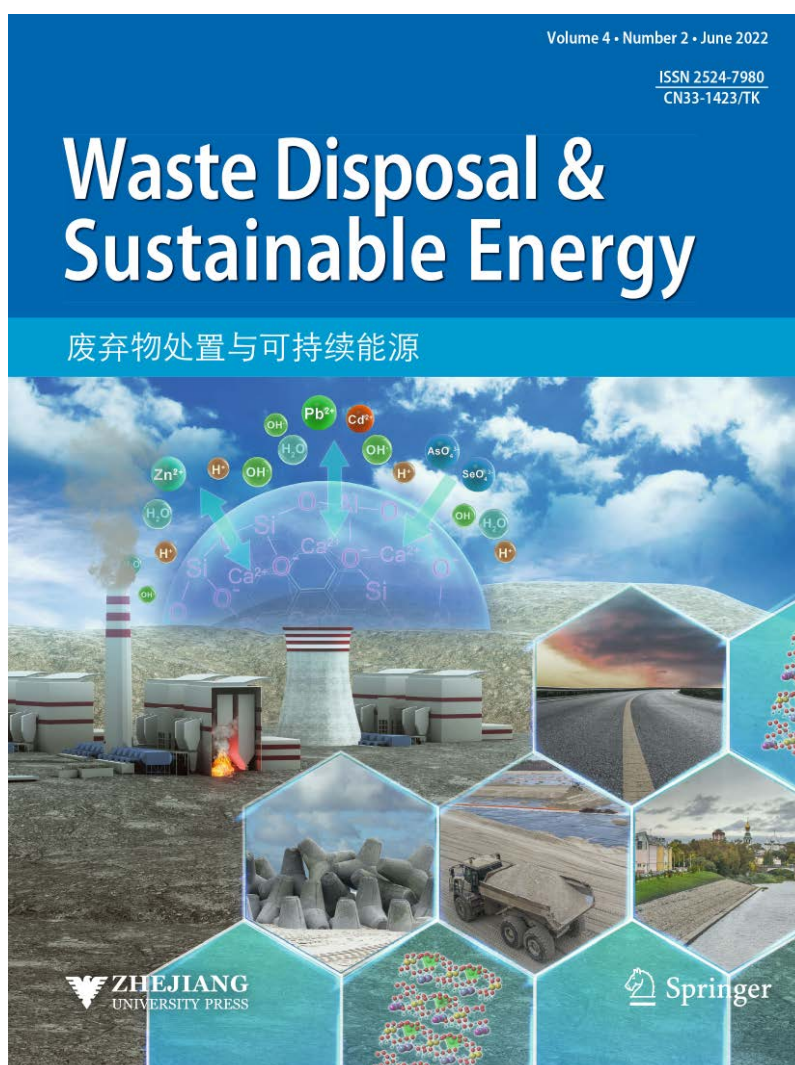
Kumar, K., Paul, B. Towards a **sustainable geoliner construction in landfills** by potential blending of fly ash with kaolin clay alternative: a review with an insight to Indian scenario. *Waste Dispos. Sustain. Energy* (2024). <https://doi.org/10.1007/s42768-023-00178-8>

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Tayyab, S., Khitab, A., Iftikhar, A. *et al.* Manufacturing of **high-performance light-weight mortar** through addition of biochars of millet and maize. *Waste Dispos. Sustain. Energy* 5, 97–111 (2023). <https://doi.org/10.1007/s42768-023-00135-5>
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Xie, Z., Li, Y., Sun, D. *et al.* An alternative approach to improve the **compatibility of PCE in cement paste blend with coal gangue powder**. *Waste Dispos. Sustain. Energy* (2023). <https://doi.org/10.1007/s42768-023-00174-y>
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CiteScore: 5.9

