Value-addition of Coal fly ash (CFA) as emerging photocatalyst for wastewater treatment

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untreated MB scar

All treated sample

C-ZnF 1:2 (30min.)

-C-ZnF 1:1 (30min.

C-ZnF 1:2 (60min

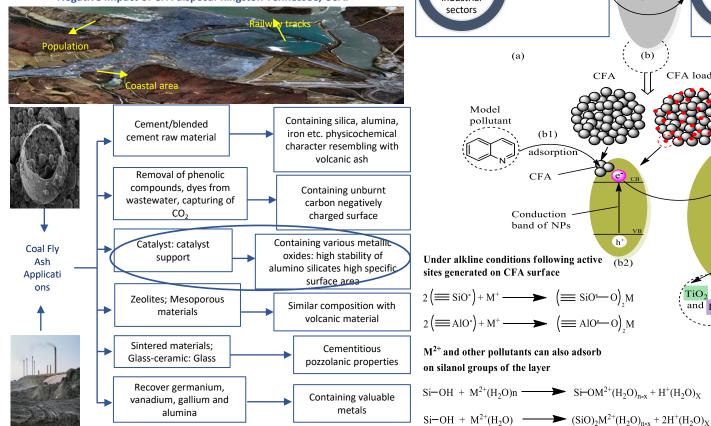
ZnF(60min.)

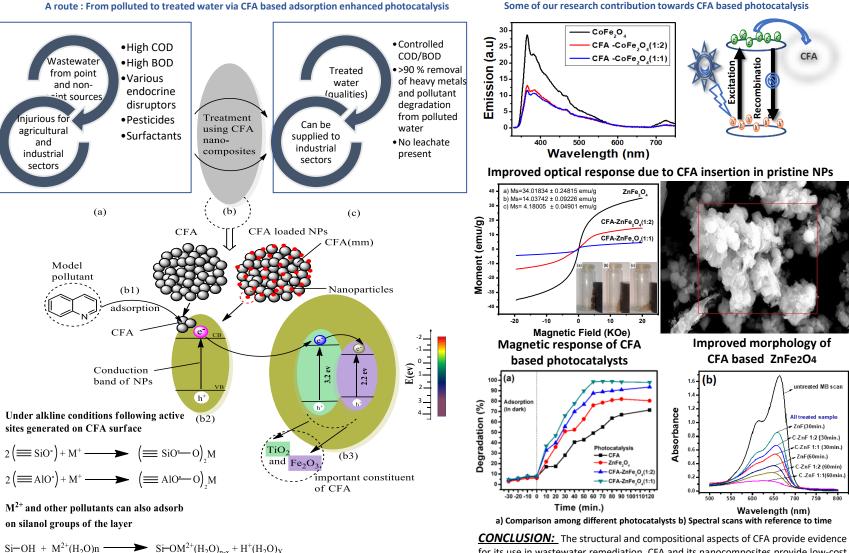
ZnF(30min.)

Project Highlights

The rapid contamination and drastic decrease of clean water sources have heeded the human society for the development and implementation of highly efficient wastewater treatment technologies. Coal fly ash (CFA) can be used as multifunctional material. CFA is an anthropogenic material and its disposal on open land or dumping underground causes serious environmental issues. Instead of disposal, its utilization is advantageous. Therefore, the utilization of CFA and/or its composites in wastewater treatment has been discussed.

Negative impact of CFA disposal Kingston Tennessee, USA.





for its use in wastewater remediation. CFA and its nanocomposites provide low-cost alternative for environmental remediation. Instead of CFA disposal, its reusability is highly demanding for pollution control.

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