

C426208 : MAJOR ENVIRONMENTAL SCIENCE
KEY WORD: HYDROGEN SULFIDE / CREMATORIUM

METTA TRESIRINATE : INVESTIGATION OF HYDROGEN SULFIDE FROM CREMA-
TORIUMS USING DIESEL OIL AND FIREWOOD AS FUEL. THESIS ADVISOR :
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Gas samples were collected from Wat Sommanaswiharn crematorium in Bangkok to determine the concentration of Hydrogen Sulfide by using modified NIOSH method. Two types of crematorium are selected (oil-fire and wood). The average Hydrogen Sulfide concentrations of each oil-fire crematorium were 0.33, 0.25, 0.28, 0.30, 0.33, 0.36, 6.187, 0.85, 0.197, 0.303, 0.565, 0.847, 0.26, 0.33, 0.30 and 0.31 milligram/cubic meter and were 0.25, 0.183, 0.25 and 0.176 milligram/cubic meter from wood crematorium. For the statistical analysis, regression analysis, the correlation between temperature and Hydrogen Sulfide concentration are 0.11997 and 0.23213 which indicated the non-significant correlation.