

Interactive
Comment

***Interactive comment on* “Study of spatiotemporal variation of atmospheric mercury and its human exposure around an integrated steel plant, India” by S. Pervez et al.**

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Transportation and dispersion pattern of total mercury alongwith exposure-dose response assessment has been conducted in comprehensive manner in a region where an integrated steel plant located in India. After all possible modifications/corrections made in the light of comments of referee, the revised manuscript has been published in ACPD. Exposure-dose response study conducted specifically around integrated steel plant has not been found in earlier reported studies which possible in approach using literature survey mechanism. Since the length of paper already very much, hence conclusion has been incorporated in short within results and discussion section. SUch

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a comprehensive study in total mercury monitoring has not been conducted around a stationary industrial source in India earlier. The data and results of interpretation are very useful for UNEP program of global mercury assessment.

Separation of biological fluids (urine) has not been conducted because it is not the main objective of the research paper, however total mercury content in blood and urine has been determined to investigate accumulation status of mercury in human biological fluids due to higher mercury presence at exposure level.

In the light of above fact, the manuscript of above stated paper published in ACPD may be accepted for publication in ACP

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 885, 2010.

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