

## Pattern of immune response to malaria

**Sampath Kumar M.C**  
BMS college of engineering, India

This paper describes the pattern of immune response to malaria in adults around the vicinity of garbage/refuse dump yards. As case study habitations around three refuse /garbage disposal sites in Bangalore city have been taken up for investigation. The city generates about 3200 tons of refuse-garbage per day in a combined state which is disposed of in an open landfill at designated places around the city. This generates Leach ate from solid waste dump which gets washed by monsoon and pollutes the surroundings, surface water and ground water. This becomes a fountain head of unexplained health disorders. In the present investigation human Immune response pattern to malaria was observed within 2km, 3km and 3.5km radius of the dump sites. These studies have been integrated with GIS and comprehensive maps have been generated with respect to incidence of malaria in the study area, immune response patterns, specific criteria influencing the quality of living in the study area, patterns with respect to mosquito breeding and issues of contamination. The studies have been supported by data analysis and medical inputs. Based on the studies the areas have been zoned on a scale as safe, critical and endemic. These become significant for governance and issues related to administering of public health

### Biography

Prof. Sampath Kumar M is the faculty environmental engineering Division, BMS college of engineering, Bangalore India.

[sampathmc61@gmail.com](mailto:sampathmc61@gmail.com)