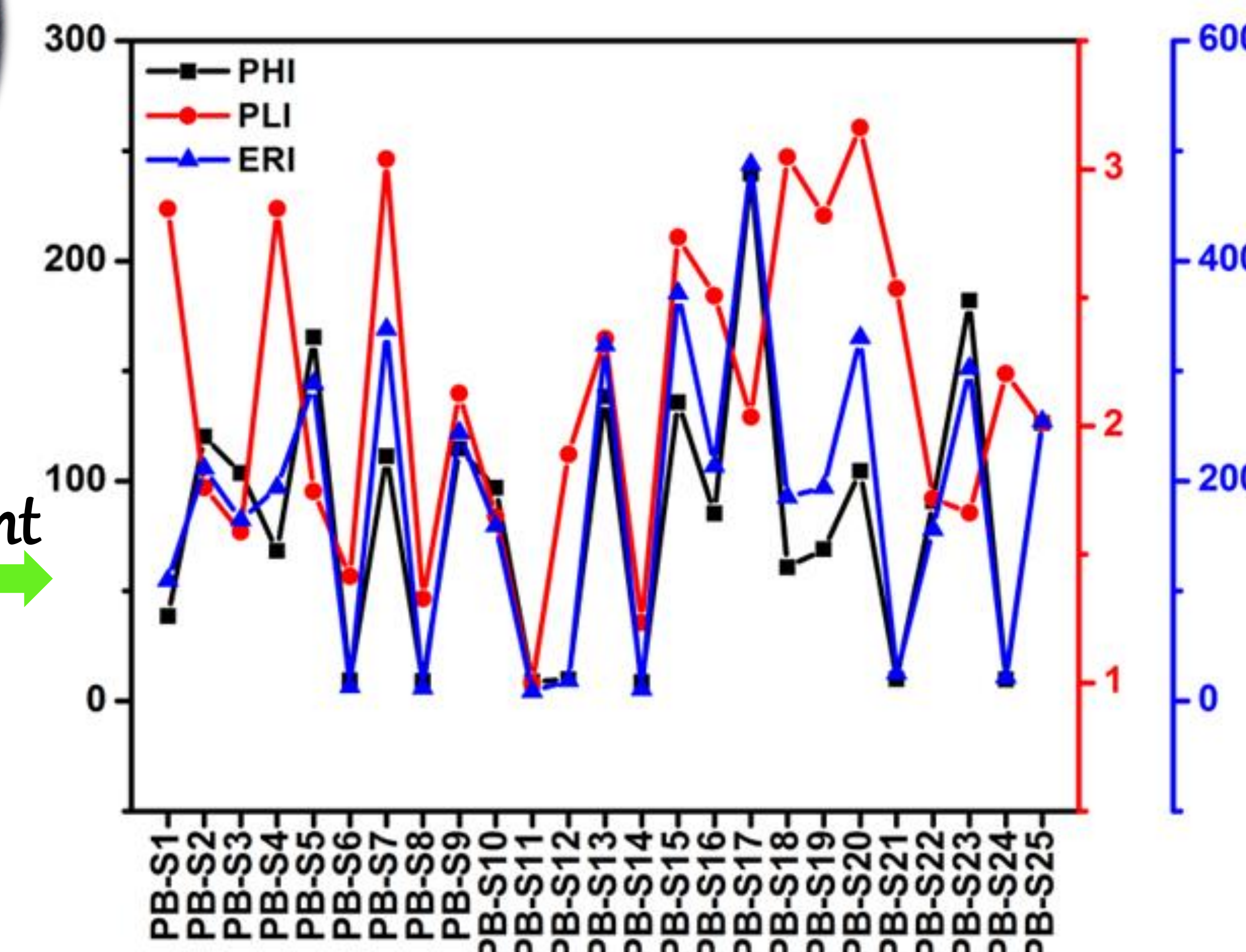
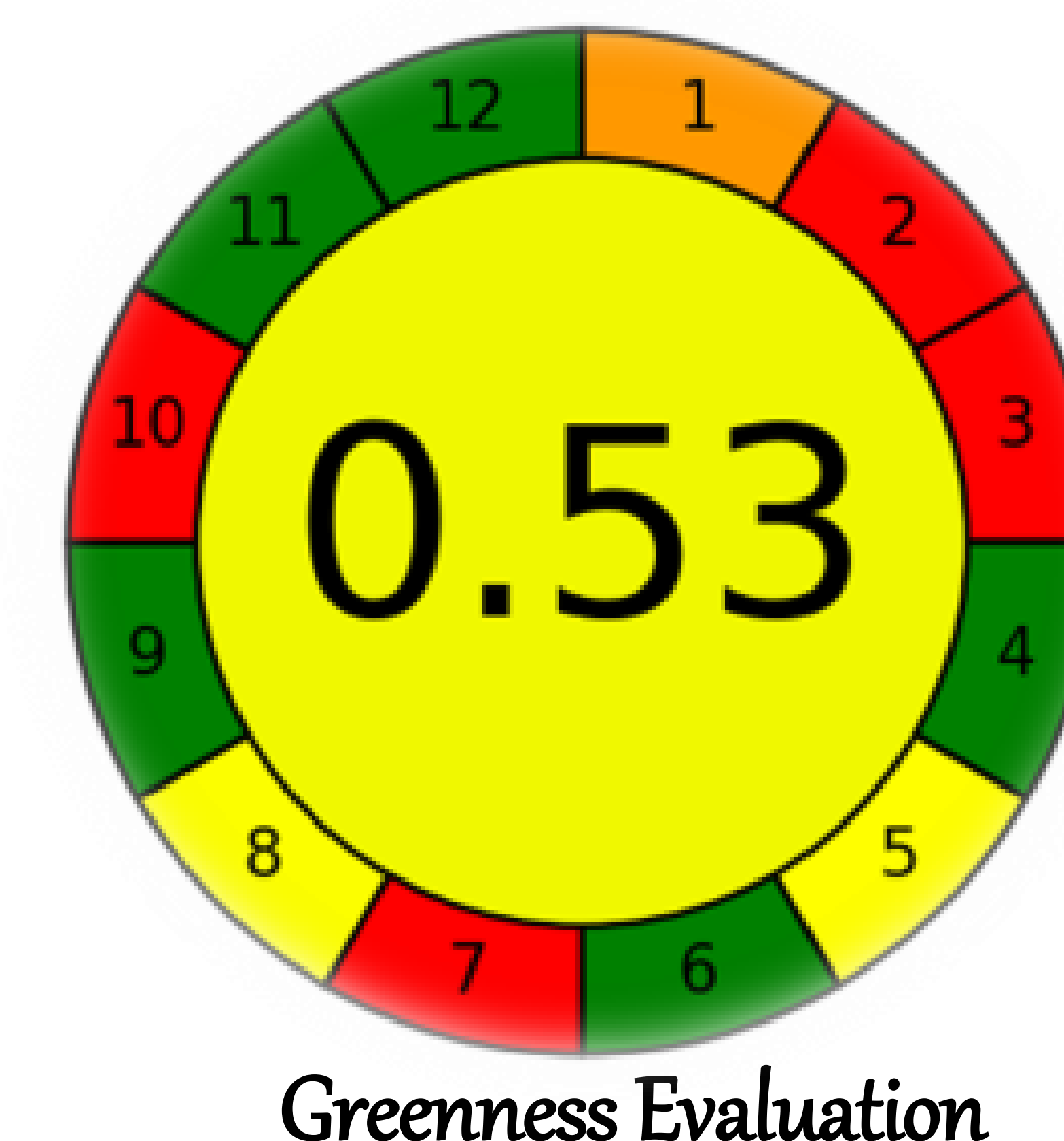
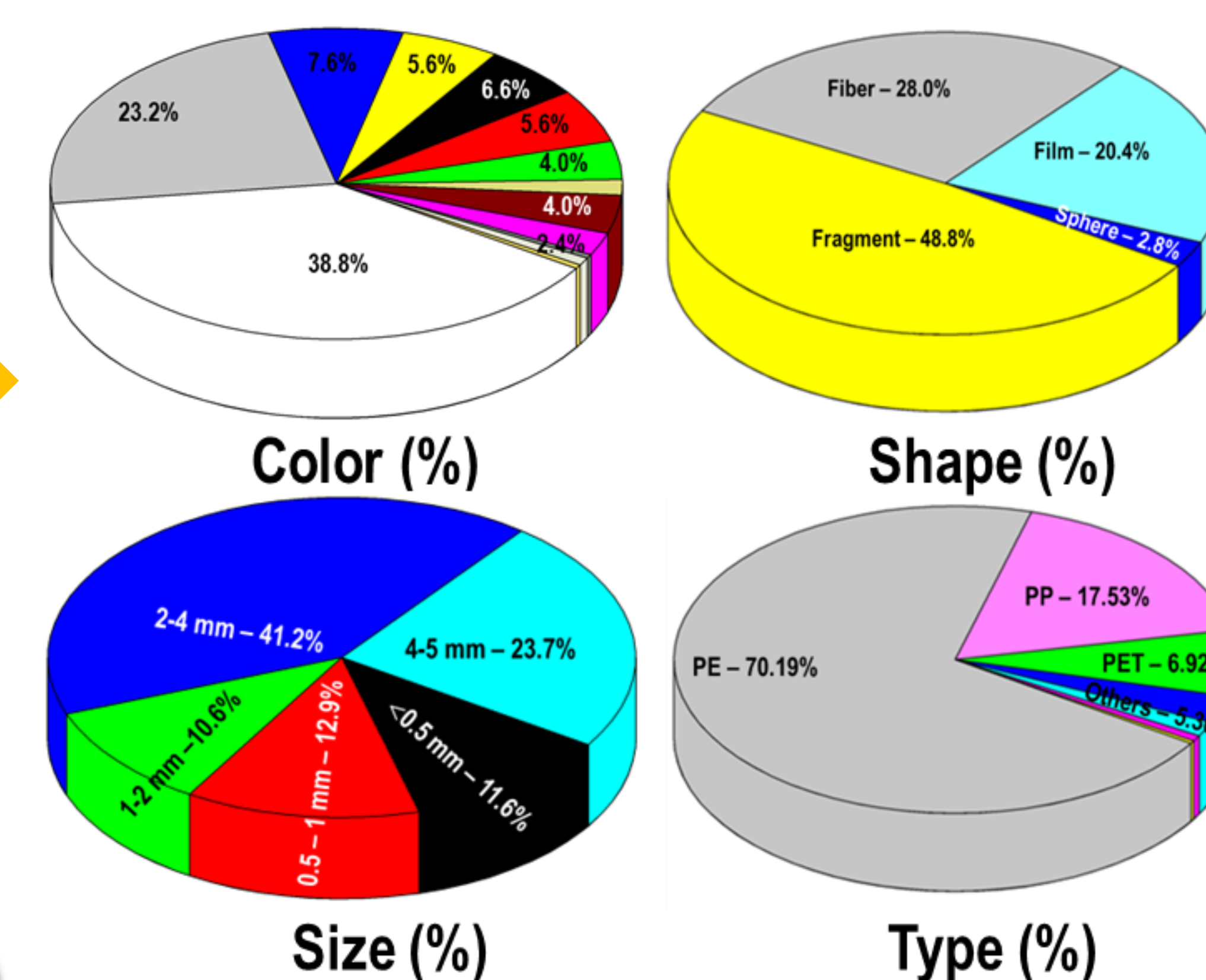
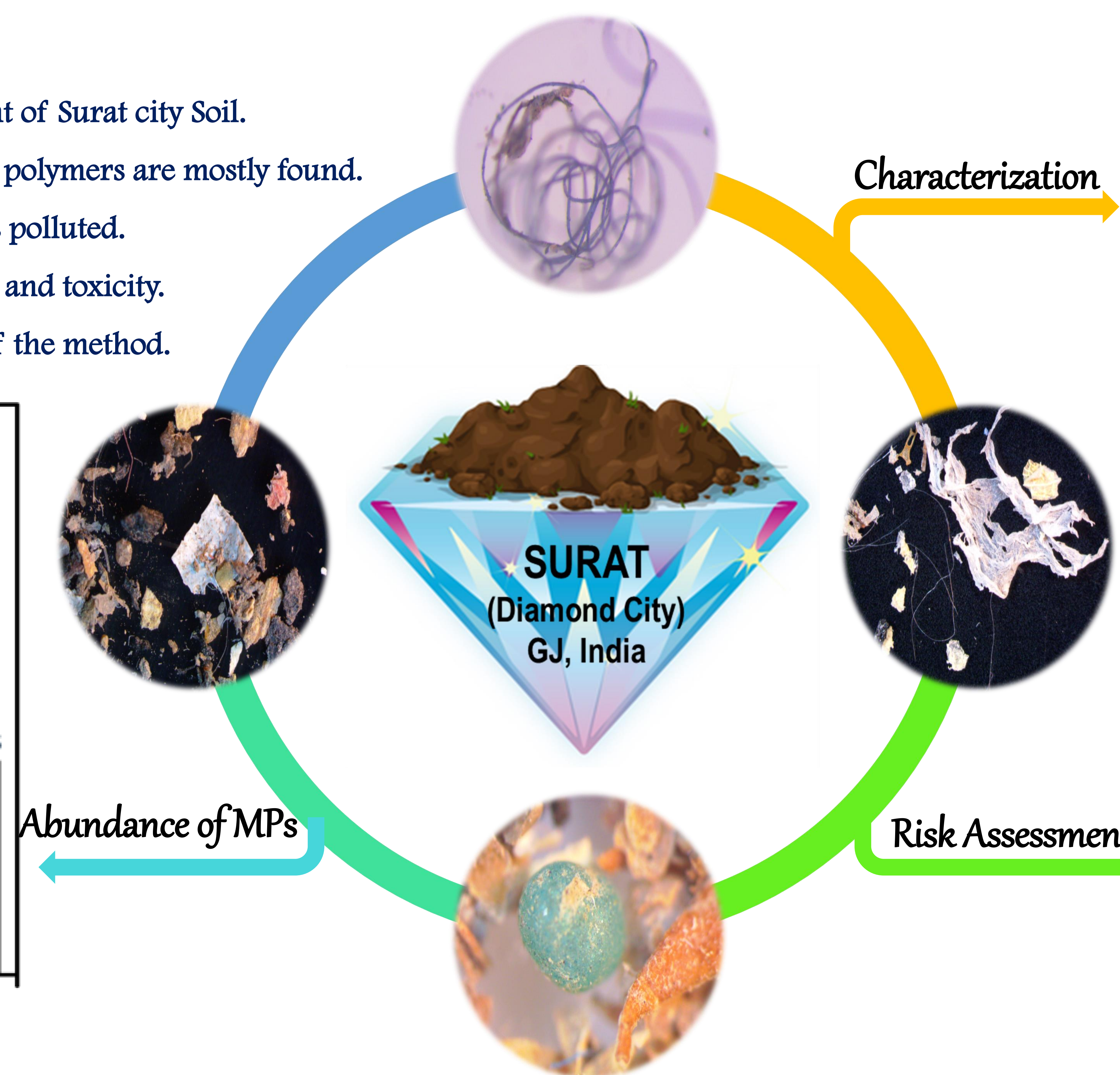
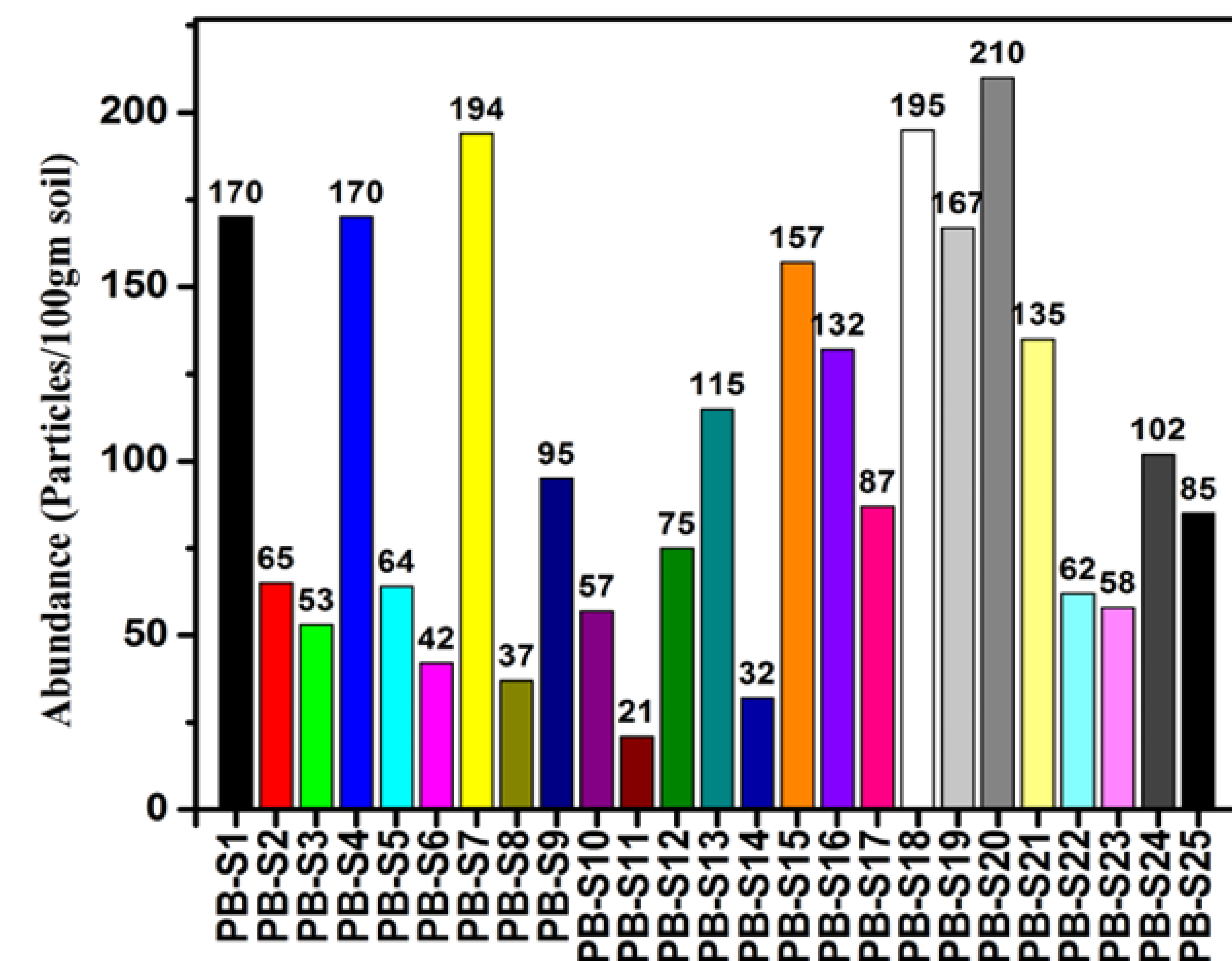


Occurrence of Microplastics (MPs) in Soil of Surat (Diamond City, Gujarat, India): Characterization, Statistical Analysis, Ecological Risk Assessment and Greenness Evaluation

Pinal S. Bhavsar, Anil H. Gore* (Email id: anil.gore@utu.ac.in, Tarsadia Institute of Chemical Science, UKa Tarsadia University, Bardoli, Gujarat, India.)

Highlights:

- ✓ First report on MPs abundance and ecological risk assessment of Surat city Soil.
- ✓ White-transparent MPs fragments (2-5 mm) and PE, PP, PET polymers are mostly found.
- ✓ Pollution load index (>1) indicating all the locations are MPs polluted.
- ✓ Ecological risk was low to medium depending on abundance and toxicity.
- ✓ AGREE metric score is 0.53 indicating moderate greenness of the method.



Poster code:
cwcp2023.0ec01d3