Project Details

Project Title
Agrochemical burden in the body: Exploring the relationship between exposure, disease burden and qualitative social conditions

Project Summary
The relationship between the body burden from agrochemicals and its health effects in the population requires systematic study. There is a large gap in our understanding about scale, nature, source or the consequences of persistent exposure to the human body from agrochemicals. There is also hardly any systematic data available in India regarding the implications of such persistent exposure to public health concerns.

The proposed project would be part of a larger study geared towards filling the aforementioned gap. The selected scholar will engage in long-term qualitative studies through surveys of daily living patterns including diet, living, travel and work conditions, medical history, and other demographic data, in select stratified human populations; populations who are selected for measuring residue levels of agrochemicals and household chemicals. The qualitative study will attempt to find how social conditions affect the relationships between nature and the quantum of agro-chemical exposure to disease burden.

PhD Supervisors

<table>
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<tr>
<th>Role</th>
<th>Faculty</th>
<th>Academic Unit in IITD</th>
<th>Email ID</th>
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<tbody>
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Project requirements (Student qualifications, experience required, etc)

- Masters degree in any social science discipline / public health / community medicine / environmental engineering / environmental science or allied field. Experience with conducting surveys in the area of health, environment or agriculture in rural or urban areas is desirable.

Source of funding (IRD/FITT Project details, if any)

Own Fellowship

Role of Faculty Members involved:

Dr. Richa Kumar will supervise the survey based data collection component of the project whereas Dr. T.R. Sreekrishnan will train the student regarding the ecological and biological agrochemical pathways and residues and their implications for human health.