

GRG TRUST RESEARCH PROJECT

Development of fluorescent sensors for the detection of food additives

PI: **Dr. G. Subashini**

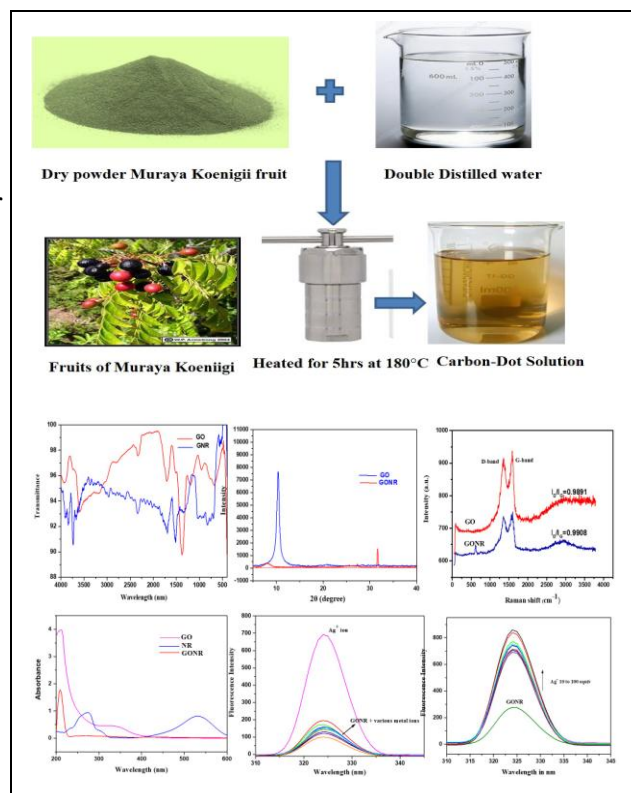
Co PI: NIL

Amount Sanctioned: Rs. 1,10,000

Year: 2019-2020

Project outcomes:

- C-dots derived from the fruits of *Murraya koenji* as a fluorescent sensor for Fe²⁺ and Fe³⁺ ions.
- Graphene oxide-based nanocomposite as a fluorescent sensor for silver, phenyl alanine, tryptophan and sodium ions.
- Histidine-based Schiff base as hemeoxygenase inhibitor, molecular docking and antimicrobial studies.



For more information, please contact: subashini@psgrkw.ac.in

1. Publications: 2
2. Conference/ Seminar/ Workshop: 4
3. Books: Book chapter communicated-1
4. Any other achievements: As an extension work of this project, the proposal was submitted to **INSA Visiting Scientist Fellowship** and selected to work at **IISC, Bangalore.**

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