



Mass Spectrometry Facility Services 2012

Team:

Dr. Dominik Schwudke

Principal investigator MS lab

Dr. R. Kannan

Quantitative Metabolomics Unit

Mrs. Jayashree R

Proteomics Services / General Analysis

Dr. Taslimarif Saiyed

Communication / Administration

Mr. Mohan Sridhar

Communication / Administration

Alumni

Mr. Karthik Kamat

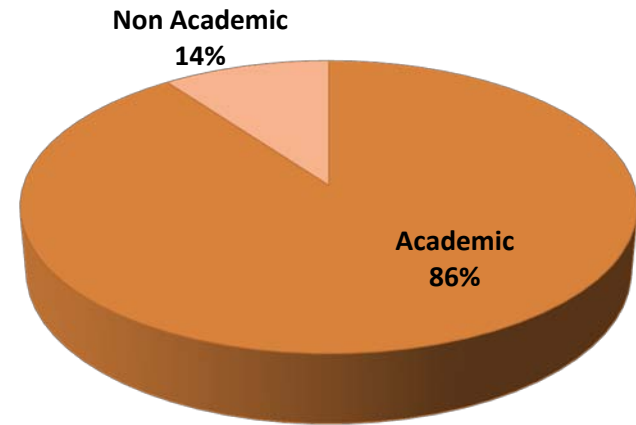
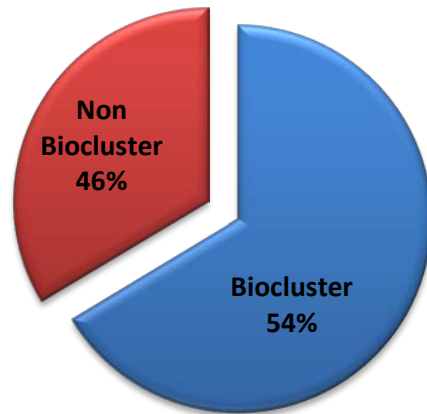
Proteomics Services

(until 08/2012)

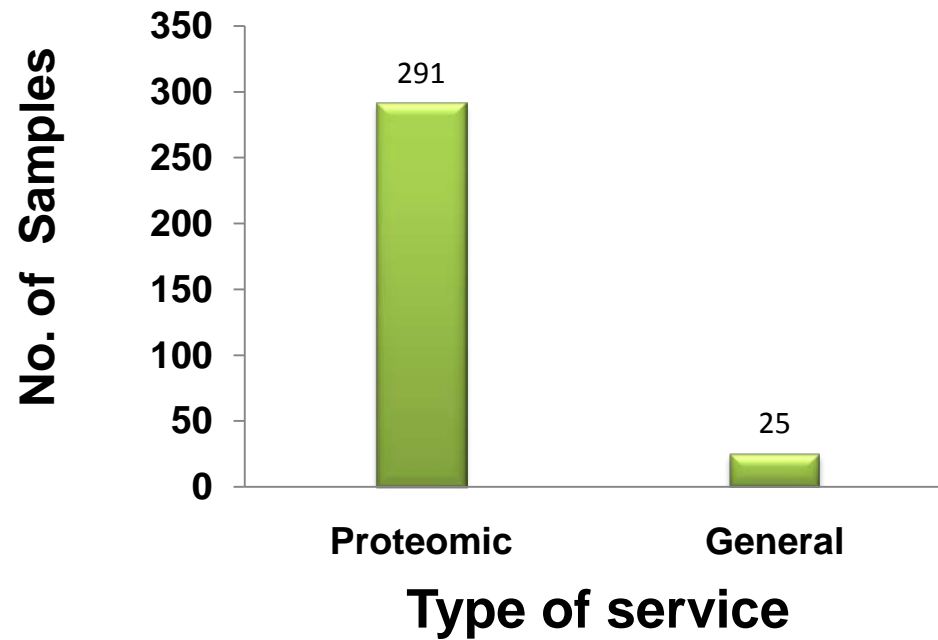
Summary of MS facility usage for the year 2012

Total number of users	40
Non academic (industry) users	6
Academic users	34
Total projects undertaken	80
Total number of samples analyzed	316
Proteomic samples	291
General samples	25

Usage statistics (Protein Characterization / Proteomics / General)

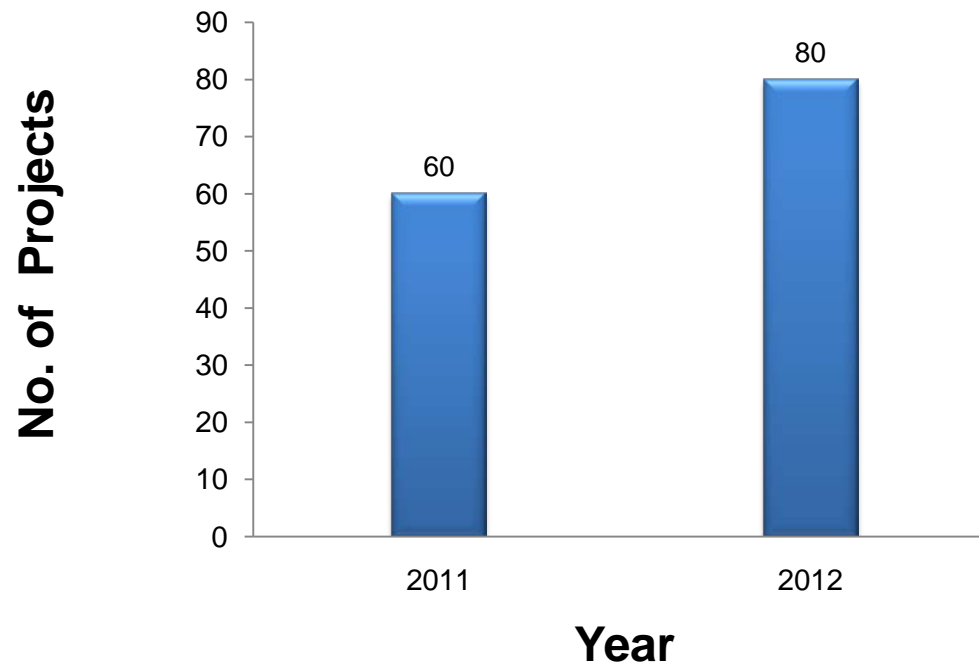


Type of Service (Protein Characterization / Proteomics / General)



Projects undertaken - 2011 vs. 2012

(Protein Characterization / Proteomics / General)



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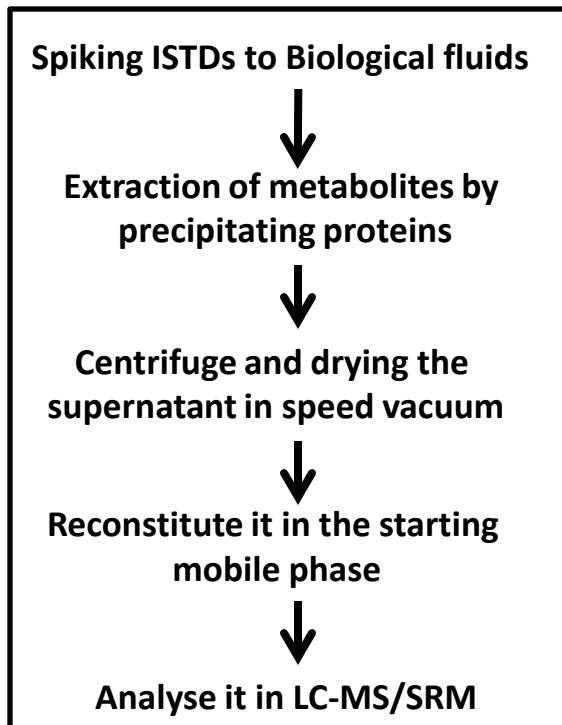
Methods Developed:

1. Quantitation of neurotransmitters from biological fluids.
2. Quantification of psychotic drug Olanzapine and its metabolites.
3. Quantification of Azadirachtin, Nimbin and Salanin from plant extracts.

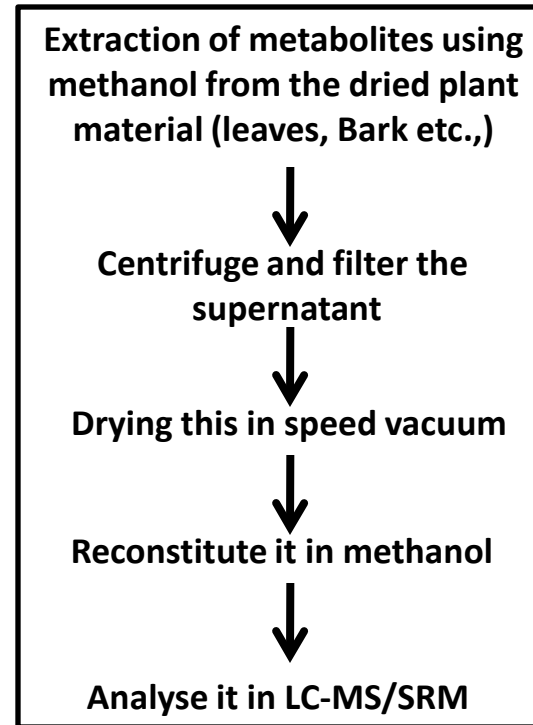
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Methodology for Metabolites from Biological fluids



Extraction of Neem Metabolites from Plant Extracts



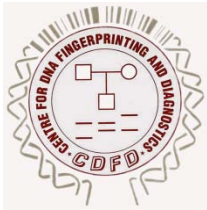
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Users of this facility

No	Users	Institute	Number of Samples	Work Progress
1	Dasarathi	inStem	Planarian samples	Completed
2	Halan Prakash	BITS Pilani	2	In process
3	Radhika Joshi	NCBS	1	Completed
4	Yarlagadda Venkateswarlu	JNCASR	20	No communication
5	Yashoda Ghanekar	inStem	1	In process
6	Maithili	JIPMER	2	In process
7	Megha PB	NCBS	4	In process
8	Velmurugan G	MKU	13	In process
9	Megha	NCBS	2	In process
10	Nagesh	C-CAMP	6	Completed

Major users of the facility



Mitra Biotech



Shantani Proteomics

