

## Faculty Details

Name: Dr. Ajay W. Tumaney

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Contact:

Area Of Research: Lipid Metabolism, Metabolic Engineering, Enhancing quality and quantity of oils, Oil based Nutraceuticals.

## Notice Board

No Records Available

## Students And Project Trainees

No Records Available

## Publications

5 Guggalada Govardhana Yadav, Vallamkondu Manasa, Hosakatte Niranjana Murthy, and Ajay W. Tumaney (2023) , Chemical composition and nutraceutical characterization of *Balanites roxburghii* seed oil. , Journal of Food Composition and Analysis , 115,,104952.

4 Palak Daga, Ayushi Dalmia, Salony Raghunath Vaishnav, and Ajay W. Tumaney (2022) , Lipidome analysis and metabolite profiling of fixed oils from selected spices , LWT - Food Science and Technology, 160,,113308.

3 Vallamkondu Manasa, and Ajay W. Tumaney (2022) , Evaluation of the anti-dyslipidemic effect of spice fixed oils in the in vitro assays and the high fat diet-induced dyslipidemic mice. , Food Bioscience, 46,,101574.

2 Rahul Gopalam, Vallamkondu Manasa, Salony R. Vaishnav, Palak Daga, and Ajay W. Tumaney (2022) , Profiling of Lipids, Nutraceuticals, and Bioactive Compounds Extracted From an Oilseed Rich in PUFA , Plant Foods for Human Nutrition, ,,10.1007/s11130-021-00945-0,.

1 Rahul Gopalam and Ajay W. Tumaney (2021) , Functional characterization of acyltransferases from *Salvia hispanica* that can selectively catalyze the formation of trilinolenin , Phytochemistry, 186,,112712.

## Projects

Title	Year	Duration	Amount(In Lakhs)	PI/I
Evaluation of efficacy of selected spice fixed oils for addressing metabolic syndrome	2022	3	3920000000	PI
Understanding the Mechanism of Polyunsaturated Fatty Acid Accumulation in Chia ( <i>Salvia hispanica</i> ) Seeds.	2017	3	3450000000	PI
Isolation and Characterization of Fixed Oils from the Indian Spices - Screening for Novel Fatty Acids and Nutraceuticals.	2017	3	3920000000	PI