

1. Name and full correspondence address – **AJAY W. TUMANAY, M.Sc., PhD**
Principal Scientist, Department of Lipid Science,
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3. Institution - CSIR – Central Food Technological Research
Institute, Mysore – 570020

4. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution
1.	XII-STD	1990	Science	Maharashtra State Board
2.	B.Sc	1993	Biochemistry	Nagpur University
3.	M.Sc	1995	Biochemistry	Nagpur University
4.	PhD	2002	Biochemistry	Indian Institute of Science, Bangalore

5. PhD thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Thesis Title - Soluble monoacylglycerol pathway for Triacylglycerol biosynthesis in oilseeds.

Guide – Prof Ram Rajasekharan

Institute – Indian Institute of Science, Bangalore

Year of Award - 2002

6. Work experience (in chronological order).

S. No.	Positions held	Name of the Institute	From	To
1.	Principal Scientist	CSIR – Central Food Technological Research Institute, Mysore - 570020	27-10-2014	Till date
2.	Group Leader	The Himalaya Drug Company, Makali, Bangalore - 561162	06-04-2009	28-08-2014
3.	Assoc. Divisional Head	Avesthagen Limited, Avesthagen One, No. 7/6, Brunton Road, Bangalore - 560025	02-03-2006	31-03-2009
4.	Postdoctoral research associate	Department of Plant Biology, Michigan State University, 166, Plant Biology Building, East Lansing, MI 48824, USA	01-07-2002	05-12-2005
5.	Jr Project Leader	Bijam Biosciences Ltd., Nagarjuna Hills Hyderabad - 500082	04-01-2001	15-06-2002

7. Publications (List of papers published in SCI Journals, in year wise descending order).

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Rahul Gopalam and Ajay W. Tumaney	Functional characterization of acyltransferases from <i>Salvia hispanica</i> that can selectively catalyze the formation of trilinolenin	Phytochemistry	186	112712	2021
2.	Palak Daga, Salony Raghunath Vaishnav, Ayushi Dalmia and Ajay W. Tumaney	Extraction, fatty acid profile, phytochemical composition and antioxidant activities of fixed oils from spices belonging to Apiaceae and Lamiaceae family	J Food Sci Technol	DOI 10.1007/s13197-021-05036-1		2021
3.	Yeshvanthi Singh, Akshay Datey, Dipshikha Chakravorty, and Ajay W. Tumaney	Novel Cell-Based Assay to Investigate Monoacylglycerol Acyltransferase 2 Inhibitory Activity Using HIEC-6 Cell Line	ACS Omega	6	1732–1740	2021
4.	Ayushi Dalmia and Ajay W. Tumaney	Optimisation and evaluation of cryopreservation method for <i>Aurantiochytrium limacinum</i> .	J of Applied Phycology	https://doi.org/10.1007/s10811-020-02346-3		2020
5.	Vallamkonda Manasa, Sachin R. Chaudhari and Ajay W. Tumaney	Spice fixed oils as a new source of g-oryzanol: nutraceutical characterization of fixed oils from selected spices.	RSC Adv.	10	43975-43984	2020
6.	Vallamkonda Manasa, Salony R. Vaishnav and Ajay W. Tumaney	Physicochemical characterization and nutraceutical compounds of the selected spice fixed oils	J Food Sci Technol	DOI 10.1007/s13197-020-04813-8		2020
7.	Sandopu Sravan Kumar, Vallamkonda Manasa, Ajay W. Tumaney, Bettadaiah B.	Chemical composition, nutraceuticals characterization, NMR confirmation of squalene and antioxidant activities	RSC Adv.	10	31863–31873	2020

	K., Sachin Rama Chaudhari and Parvatam Giridhar	of <i>Basella rubra</i> L. seed oil.				
8.	Rahul Gopalam, Sunny D Rupwate and Ajay W. Tumaney	Selection and Validation of appropriate reference genes for Quantitative Real-time PCR analysis in <i>Salvia hispanica</i> .	PLoS One	12 (11)	e0186978	2017
9.	Timothy P. Durrett, Daniel D. McClosky, Ajay W. Tumaney, Dezi A. Elzinga, John Ohlrogge and Mike Pollard	A distinct DGAT with sn-3 acetyltransferase activity that synthesizes unusual, reduced-viscosity oils in <i>Euonymus</i> and transgenic seeds.	Proceedings of the National Academy of Sciences (USA)	107 (20)	9464-9469	2010
10.	Anne Milcamps, Ajay W. Tumaney, Troy Paddock, David Pan, John Ohlrogge and Mike Pollard	Isolation of a gene encoding 1,2-Diacyl-sn-glycerol:acetyl-CoA acetyltransferase from developing seeds of <i>Euonymus alata</i> .	Journal of Biological Chemistry	280 (7)	5370-5377	2005
11.	Ajay W. Tumaney, John B. Ohlrogge and Mike Pollard	Acetyl coenzyme A concentrations in plant tissues.	Journal of Plant Physiology	161 (4)	485-488	2004
12.	Sunil Shekar, Ajay W. Tumaney, T.J.V. Sreenivasa Rao, and Ram Rajasekharan	Isolation of lysophosphatidic acid phosphatase from developing peanut cotyledons.	Plant Physiology	128	988-996	2002
13.	Ajay W. Tumaney, S. Shekar and Ram Rajasekharan	Identification, purification, and characterization of monoacylglycerol acyltransferase from developing peanut cotyledons.	Journal of Biological Chemistry	276 (14)	10847-10852	2001
14.	Ajay W. Tumaney and Ram Rajasekharan	Synthesis of azidophospholipids and labeling of lysophosphatidylcholine acyltransferase	Biochimica et Biophysica Acta	1439	47-56	1999

		from developing soybean cotyledons.				
15.	Ajay W. Tumaney, S. Narkunaraja and Ram Rajasekharan	Identification of lysophosphatidic acid acyltransferase in the microsomal membranes of developing castor endosperm	Current Science	76	660-664	1999

8. Detail of patents.

S. No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Country	Status
1.	Triglyceride fraction induced osteoblast mediated bone remodeling and the process thereof.	PATELL, Morawala Villoo; TUMANAY, Wamanrao Ajay; SUBBIAH, Roopashree; JOY, Mary	2616/CHE/2008	28-10-2008	India	Pending Published on 07-05-2010