

Dr. Asha Abraham

Associate Professor,
Department of Biotechnology, School of Life Sciences,
St. Aloysius Deemed to be University Mangalore 575 003,
Karnataka, INDIA.

E-mail: drashaabraham@staloysius.edu.in

Mob: +91 9449555802

RESEARCH IDENTIFIERS

LinkedIn: <https://www.linkedin.com/in/ashaabraham-90197079>

ORCID: 0000-0002-0201-5551 | Scopus Author ID: 55422732900 | ResearcherID: ABD-8580-2020 | Google Scholar: CQb21uEAAAAJ

EDUCATION:

University attended	Degree earned	Dates received
Faculty of Science, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India.	Ph.D. Title of the Ph.D. Thesis: “ <i>Adrenergic receptors and monoamines in the brain and pancreatic islets of streptozotocin diabetic rats: role in insulin secretion as a function of age</i> ”	17/06/1999
Faculty of Science, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India	M.Sc. Biotechnology Ranked first with distinction (81.82% marks)	24/11/1992
St. Teresas’s College Ernakulam, Mahatma Gandhi University, Kottayam, Kerala	B.Sc. Zoology (main), Botany & Chemistry (Subsidiary) 1 st class with distinction (90.3% marks)	30/10/1990
St. Teresa’s College, Kochi, Gandhiji University, Kerala, India.	Pre-degree (Physics, Chemistry & Biology) Passed with Distinction (80 %).	23/6/1986
St. Joseph’s English Medium High School, Trikkakkara, Kerala, India.	Secondary School Leaving Certificate (S. S. L. C). Passed with Distinction (89.5 % marks).	March, 1984

PROFESSIONAL EXPERIENCE: 31 YEARS 5 MONTHS

2010- till date	Associate Professor, Department of Biotechnology, School of Life Sciences, St. Aloysius Deemed to be University, Mangaluru 575 003, Karnataka, India
March 2024- March 2026	Director LCRI, Associate Professor
2002-2010	Assistant Professor Department of Post Graduate Studies and Research in Biotechnology, St. Aloysius College (Autonomous), Mangalore 575 003, Karnataka, India
2000-2002	Research Associate CSIR, Department of Aquaculture, College of Fisheries, Mangaluru, Karnataka, India
1997-1999	Senior Research Fellow CSIR, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India
1993-1996	Lecturer in Zoology , C.M.S. College, Kottayam, M.G. University, Kerala India.
1992-1993	Junior Research Fellow CSIR, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India

FELLOWSHIPS, AWARDS & SCHOLARSHIPS

1. **Erasmus+ Staff mobility** fellowship for training, 2022. Valencia, Spain.
2. **Sophia University Lecturing Research grants** 2018. Tokyo, Japan
3. **Research Associate** - Council of Scientific and Industrial Research (2000) (8/332(1)/2000-EMR-I-SPS, dated 6-3-2000)
4. **CSIR-SRF** 1997 (No. 9/239/(256)/97-EMR-I-KK, Roll. No. 111086, dated 16-9-1997)
5. **CSIR-JRF & Lectureship in Life Sciences** 1992 (No.2-10/92-E.U.II/DEC,91, Roll no. 12014, dated 5-5-92) (**CSIR-UGC NET**)
6. **Jawaharlal Nehru Memorial Fund award** (New Delhi) for securing **First rank** in the M.Sc. Biotechnology (1992-1993). (Ref.: PUB-202/ (32-1)/94/768 dated 7-7-1994)
7. University Merit Scholarship during pre-degree course (1984-1986), undergraduate course (1986-1989) and postgraduate course (1990-1992).

COURSES TAUGHT:

Cell and Molecular Biology, Animal Biotechnology, Research Methodology, Ethics & Scientific Communication, Food Biotechnology, Immunology, Developmental Biology and Bioprocess Technology to MSc Biotechnology students.

RESEARCH EXPERIENCE:

AS PRINCIPAL INVESTIGATOR:

Funding Agency	Title of the Project	Amount INR	Current Status
DBT, GoI	DBT-BUILDER – St Aloysius College (Autonomous) Interdisciplinary Life Science Programme for Advance Research and Education Bioprospecting of marine macroalgae for value added products from the Dakshina Kannada- Udupi coast.- Project Coordinator	2,20,51,560 /-	Ongoing 2022-2027
MJES-SAC	Analysis of Beta-3-Adrenergic Receptors on the Pancreatic Islet Beta Cells of High Fat Simple Carbohydrate fed male C57BL/6J mice: Implications in Metabolic Syndrome. Intra mural seed money for research	6,00,000/-	Completed 2019-22
VGST. GoK	Identification of Adrenergic receptor subtype involved in Metabolic syndrome: A futuristic therapeutic target -- Research fund for Talented teachers (RFTT)	Rs 5,00,000/-	Completed 2018-2019
UGC	Evaluate the role of Norepinephrine in Leptin production and secretion <i>in vitro</i> Minor Project	Rs.4,00,000/-	Completed 2015-2017
BRNS	Adrenergic Receptor Subtype Functional Correlation In the Brain and Pancreas of High Fat Simple Carbohydrate Fed C57BL/6J Mice: Implications In Metabolic Syndrome Major Project	Rs.31,75,145/-	Completed 2013-2017
UGC	Elucidation of the role of Leptin in the regulation of the hypothalamus-pituitary-adrenal axis in metabolic syndrome Major Project	Rs.10,96,500/-	Completed 2011-2014
UGC	Evaluation of the anti tumor effect of <i>Garcinia cambogia</i> <i>in vivo</i> Minor Project	Rs.40,000/-	Completed 2008-2010.
UGC	Evaluation of the anti diabetic effect of ‘Insulin plant’ Minor Project	Rs.1,00,000/-	Completed 2005-2007.

• **CO- INVESTIGATOR: 3 UGC minor projects, 1 DST SERB major project**

1. Preparation of Fish Protein Hydrolysate having Bioactive Properties and its use in Food Formulations. Dr Mamatha B.S.(PI) DST-SERB – Young Scientists Rs. 23, 53,999/- (2016-2019).
2. Evaluation of the interrelationship between thyroid function and metabolic syndrome in suitable animal models Ms Swarnalatha BN (PI). UGC minor Rs 2,00,000/- (2013-2015).
3. Isolation, purification, and characterisation of L-Asparaginase Ms Renita D’Souza (PI) UGC minor Rs 2,00,000/- (2013-2015).
4. Biochemical and phytochemical investigation of *Ophiorrhiza rugosa* and its medicinal properties (Antioxidant, antimicrobial, cytotoxicity and genotoxicity properties) - Ms. Bhavya D.K.(PI). UGC minor Rs. 1,55,000/- (2011-2013)

Projects awarded to students under my guidance:

Funding Agency	Title of the Project & Name of students	Amount INR	Status
Karnataka state council for science and technology, IISc campus, Bengaluru	Formulation of a seaweed-derived larvicide with mosquito attractant properties for targeted vector control Under 48th series of student project programme Anjishnu Mukhopadhyaya Gourav Nandkishore Desai Fathima Rida	5,500/-	Completed 2024-25
MJES	Isolation, Production and Purification of Laccase from Soil Microbes and its Applications Diya Bangera Monika Malatesh Jadar Vinisha Crasta	7500/-	Completed 2024-25
MJES	Study of expression of PPAR alpha, PPAR delta, PPAR gamma in metabolic syndrome induced mice. Ms Manasvi Ms Bhavya J N	10,000/-	Completed 2019-20
MJES	Gene expression analysis of thyroid hormone receptors in the liver of metabolic syndrome induced mice. Ms Shreyoshree Mukherjee	10,000/-	Completed 2019-20
MJES	Analysis of β -adrenergic receptor subtypes in the liver of metabolic syndrome induced C57BL/6J mice Aravind Nayaka H A Deekshith K	7,500/-	Completed 2021-22
MJES	Study of effect of <i>Juglans regia</i> on Metabolic Syndrome induced C57BL/6J mice and evaluation of its molecular mechanism Smruthi Prabhu	5000/-	Completed 2014-15

• **OVERSEAS COLLABORATIVE RESEARCH/TRAINING:**

1. Participated in staff mobility for training in Biotechnology under Erasmus+ scheme to **Universidad Católica de Valencia San Vicente Mártir, Valencia, Spain. May 2-6, 2022.**
2. Invited Associate Professor under Sophia University Lecturing Research grants 2018, Conducted collaborative research in **Cognitive neurosciences** with Dr Takako Niikura at the Dept of Information

and Communication sciences, Sophia University, Tokyo, Japan during 1st October through 31st December 2018.

• Broad areas of interest:

Molecular and cellular aspects of metabolic syndrome, hypothyroidism, diabetes and cancer, neuroendocrinology of aging, phytomedicine and immunology

- **RECOGNIZED RESEARCH GUIDE** for supervising the research work leading to PhD degree in the field of Biotechnology at **Mangalore University** since 2009.

DETAILS OF EXPERIENCE AS GUIDE:

- **PhD Scholars: (7 PhDs awarded; 1 Pursuing)**
 - Ms. Serena Stephan D'Souza, CSIR-SRF Registered 2011, Molecular studies on metabolic syndrome; PhD awarded by Mangalore University on **15th June 2015**.
 - Mr. Santhosh W Goveas, Registered 2011, *-In vitro* and *in vivo* studies on the anti-diabetic properties of *Coscinium fenestratum*; PhD awarded by Mangalore University on **5th May, 2018**
 - Ms. Swarnalatha BN, Registered 2011, Elucidation of the molecular mechanisms of thyroid hormone secretion and action in metabolic syndrome; PhD awarded by Mangalore University on **27th September, 2018**
 - Ms. Neena Roy, BRNS JRF, Registered 2013, Analysis of Adrenergic Receptors during the onset and progression of Metabolic Syndrome; PhD awarded by Mangalore University on **7th January, 2020**
 - Ms. Renita D'Souza Registered, 2011 - Isolation, Purification, Characterisation and Evaluation of Cytotoxic Effect of L-Asparaginase; PhD awarded by Mangalore University on **11th March 2022**.
 - Mr. Sreejesh P.C. Registered 2015, Isolation Purification, Characterization of potential anti ovarian cancer drugs from microbial sources; PhD awarded by Mangalore University on **29th October 2024**
 - Ms Vijayalakshmi G. Registered 2018, Study of the beta-adrenergic receptors in the pancreatic beta cells in metabolic syndrome induced male C57BL/6J mice; PhD awarded by Mangalore University on **30th January, 2026**
 - Fr Royston Madtha SJ Registered 2021, Bio Prospecting of Pigment Producing Bacteria from The Estuaries of Netravathi River. **Submitted PCS synopsis**
- Guided **117 Master's students on their research projects** at the Department of Post Graduate Studies and Research in Biotechnology, St Aloysius College (Autonomous) Mangalore, Karnataka, INDIA

MSc research project topics:

1. Deepa, Deepthi and Shreya (2027) Formulation of anti-acne/anti-psoriasis hydrogel/cream using snail mucus
2. Aryananda, Ashwathy and Spandana (2027) Utilization of endophytic bacteria for enhancing plant growth and secondary metabolite production in medicinal plants
3. Ayisha, Ruby Thomas and Savya E. Sajeew (2026) Evaluation of the plant growth promoting activities of *Ulva prolifera* and *Sargassum wightii* extracts fermented with *Bacillus subtilis*
4. Creola Gonsalves, Kasthuri R. and Swarali Pawar (2026) Plant and bacterial lectins: emerging tools in biotechnological applications
5. Diya S Banger, Monika Malatesh Jadar and Vinisha Maria Crasta (2025) Isolation and identification of soil microbes for production of laccase enzyme and its potential application in dye degradation
6. Anjishnu Mukhopadhyay, Gourav Desai Fathima Rida (2025) *In vivo* and *in silico* investigation of novel larvicidal compounds in seaweeds extracts using *Drosophila melanogaster* as a model
7. Chrysilla Espy Vaz (2024) Extraction and characterization of exopolysaccharides produced by marine bacteria- *Hahella chejuensis*
8. Rashal Pinto (2024) Phytochemical screening, assessment of antioxidant, antibacterial, in vitro anticoagulant properties and toxicity profile of *tinospora cordifolia*
9. Prastuthi Bhandary Sowmya Bhat and Sweedol D' Silva (2024) Comparative analysis of antioxidant and antimicrobial activity in *Nymphaea nouchali* root and leaf extract

10. Akshaya Narayana Bhat and G.T. Chaithrama (2023) Evaluating the bioactive properties of areca nut extract and exploring the potential of areca nut for novel medicinal drug development
11. Nireeksha K. ,Shashwatha T. and Sushmitha K.B (2023) Comparative study of *Hemigraphis colorata* and *Chromolaena odorata* for *in vitro* wound healing efficiency
12. Azra Sadiqa, Rania Chemnad Mahamood and Sheril Mary Shaji (2023) Development of biosurfactants based cosmetics - face wash and evaluation of its efficacy
13. Shradha S Pai (2022) Primer designing for thyroid hormone receptor $\text{thr}\alpha 1$, $\text{thr}\beta 1$ and $\text{thr}\beta 2$ in *Mus musculus*
14. Aravind Nayaka H A and Deekshith K (2022) Role of β -adrenergic receptor in metabolic syndrome; in C57BL/6J mice liver
15. Jeffrina Nancy J, Rhea Ana Mascarenhas (2022) Phytochemical screening and assessment of anti-oxidant, anti-mitotic and cytotoxic activity of floral pigments from *Callistephus chinensis*
16. Aleena M Jose (2021) Primer designing and *in silico* PCR for $\alpha 1$ adrenergic receptor in *Mus musculus*
17. Avighna Raveendran (2021) Primer designing and *in silico* PCR for $\alpha 2$ adrenoreceptor in *Mus musculus*
18. Jyothi Kumari (2021) *in silico* assessment of selective $\alpha 2$ adrenoreceptor antagonist over $\alpha 2$ adrenergic receptor in *Mus musculus*
19. Malavika.M (2021) Computational analysis of potent AD drugs against β -amyloid and hyperphosphorylated tau using molecular docking
20. Dheeraj J (2021) Computational prediction of type 2 diabetes using different machine learning algorithm
21. Mrinal M (2021) Cardiovascular disease prediction using machine learning algorithm
22. Manasvi and Bhavya (2020) Study of expression of PPAR delta and PPAR gamma as well as c reactive protein in metabolic syndrome-induced mice
23. Pooja and Mrunal Damle (2020) Effect of antagonists and agonists of α - adrenergic receptors on glucose stimulated insulin secretion *in vitro*
24. Shreyoshree Mukherjee (2020) Primer designing and standardization of primer annealing temperature of thyroid hormone receptor isoforms of metabolic syndrome induced mice
25. Sherine D'Souza and Shreevidya (2018) A study of the adrenergic receptor subclasses in the liver of C57BL/6J mice fed on a high-fat, simple carbohydrate diet
26. Jemi Sosa and Ayshath Sabbariya (2018) A study on leptin signaling in the liver of C57BL/6J mice fed on a high-fat, simple carbohydrate diet
27. Chitra Pinto and Keerthan R Krishna (2017) A study on the effect of HFSC diet on adipose tissue explants of C57BL/6J mice
28. Namitha N Khavi, Alin Maria Jacob, Shruthi K (2016) Norepinephrine mediates leptin secretion *via* beta-adrenergic receptors in C57BL/6J mice - an age-related study
29. Ainsley Mike Antao and Hannah Christina (2016) Cardiovascular abnormalities in HFSC fed C57BL/6J mice: a case of inflammation
30. Smruthi G. Prabhu and Sulakshana Karkala (2015) *Juglans regia* negates the effect of a high-fat, simple-carbohydrate diet on male C57BL/6J mice
31. Deborah Jyothsna Lewis and Viyanna Menezes (2014) Study of leptin secretion *in vitro* using adipose explant culture
32. Tisha Alex and Deepti K.V (2014) Effect of high-fat, simple carbohydrate (HFSC) diet on the liver of male C57BL/6J mice
33. Siona Silveira and Santy Fernandes (2014) A study on the kidney of metabolic syndrome induced male C57BL/6J mice
34. Deepashree R. Naik Alisha C. Fernandes Perantho Evan Dias (2013) Effect of metabolic syndrome on the heart, liver and brain of male wistar rats
35. Samantha Fernandes Alipha Severes Tanushree Kudnekar (2012) Induction of metabolic syndrome in male wistar rats using high fat simple carbohydrate diet
36. D'Silva Carol Priya Daniel and Maya Sudhakaran (2012) Phytochemical analysis of *Coscinium fenestratum*, *Tinospora cordifolia* and *Asparagus racemosus*
37. Haseena P.,Neethu P., and Zavalu Kezo (2012) Effect of *Coscinium fenestratum* stem extracts on the liver of streptozotocin-induced diabetic rats
38. Sarika, Reenal Patrica Dsouza, Sherina (2011) Evaluation of the anti-diabetic effect of *tinospora cordifolia* on streptozotocin-induced diabetic rats
39. Prasanna R. S Ganesh Hegde, Vruddhi M (2011) Study of adipocyte differentiation- effect of herbal extracts

40. Nidhi Abraham and Serena Stephen Donna D'Souza (2009) Study of anti-tumour effect of *Withania somnifera* on swiss albino mice and evaluation of its molecular mechanism
41. Lyned. D. Lasrado and Navya (2009).). Pancreatic regenerative property of *Tinospora cordifolia* on streptozotocin induced diabetic rats
42. Pallavi Baliga and Nisha L. Rodrigues (2008) Isolation, purification and characterization of L-asparaginase from *Fusarium* spp
43. Saran Kumar and Ravi Kiran (2008) Study of anti-tumour effect of *Garcinia indica* on swiss albino mice and evaluation of its molecular mechanism
44. Nimmy.T.Mohan, Smisha Varadu (2007) Cytotoxic effects of leaf and rhizome extracts of *Costus pictus* on EAT cell lines *in vitro* and partial phytochemical analysis
45. Sruthi R Menon , Poornima Prabhachandran (2007) Anti-tumour effect of *Garcinia cambogia* in swiss albino mice
46. Ashwini.C.H., Mitchell.Pinto., Sherin Chacko (2007) Evaluation of the hypoglycaemic effect of the leaves of *Costus pictus* – insulin plant
47. Reena Lobo & Supriya Pai (2007) Evaluation of the anti-diabetic effect of *Tinospora cordifolia* on streptozotocin-induced diabetic rats
48. Ajith Salvankar , Lolita Marina Periera and Smith B (2006) Effect of leaf extract of *Costus pictus* in STZ diabetic rats – analysis of some enzymes involved in neuropathy and glucose metabolism
49. Dan Philip George and Paul Mark Dias (2006) Cytotoxic effect of the fruit rinds of *Garcinia cambogia* and *G. indica* on EAT cell lines *in vitro* and partial phytochemical analysis
50. Ajith Kumar P and Raghavendra Upadhy (2005) Purification and characterization of chitinase enzyme produced by solid-state fermentation of wheat bran
51. Bhagya N, Prathibha Ananda and Ramya Sheshadri (2005) Effect of *Costus igneus* on streptozotocin induced diabetic rats and partial phytochemical screening of the leaves
52. Shobha D., Nalinakshi K (2004) Production of chitinase by solid-state fermentation using *Pseudomonas aeruginosa*
53. Neema V. Shetty and Preethi Jose (2004) Production of chitinase by immobilised cells of *Pseudomonas aeruginosa*
54. Joji M George and Reshma M (2004) Effect of *Costus speciosus* on streptozotocin-induced diabetic rats and its role in succinate dehydrogenase activity in the liver
55. Chandrika Prakash and Dheeraj (2004) Cytotoxic effect of *Vitex trifolia* in Ehrlich ascites tumour cells

RESEARCH PUBLICATIONS:

Chapter in books

1. D'Souza, S., Maheshwari, U., Rebello, S., & **Abraham, A.** (2013). Identification of a PPAR delta agonist: An *in silico* approach towards drug design for metabolic syndrome. In A. Sabu & A. Augustine (Eds.), *Prospects in Bioscience: Addressing the Issues* (Chapter 9). Springer. ISBN: 978-81-322-0809-9. https://doi.org/10.1007/978-81-322-0810-5_9
2. D'Souza, S. S., & **Abraham, A.** (2017). Metabolic syndrome: Challenges and opportunities in the Indian scenario—Relevance of college outreach. In *Handbook of Research on Science Education and University Outreach as a Tool for Regional Development* (Chapter 21, pp. 313–323). IGI Global. ISBN: 978-1-5225-1880-8; eISBN: 978-1-5225-1976-8. <https://doi.org/10.4018/978-1-5225-1880-8.ch021>. (AEMAL; ISSN: 2326-9022; eISSN: 2326-9030).
3. Shankar, K. M. H., Patil, P., Abhiman, P. B., Poojary, S. R., Azad, I. S., Anil, T. M., Patil, R., Suresh Babu, P. P., Sahoo, A. K., Nayak, D. K., **Abraham, A.**, Sharma, K., Mohan, C. V., Naveen Kumar, B. T., Adil, B., Prabhugowda, S., Mondal, M., & Ram, M. K. (2018). Twenty five years of experience in development and commercialisation of diagnostics and vaccine for aquaculture in India. In *Technology Transfer and Commercialisation* (Editor: Ms. Sheikha Al Akhazami). Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre). Daya Publishing House, a division of Astral International Pvt. Ltd., New Delhi, India. ISBN: 978-93-5124-911-5 (Hardbound).

4. **Abraham, A.**, Gangadhara, V., & Baliga, P. (2026). Insulin signaling in confluent diabetes and AD. In A. Kumar & T. R. Anju (Eds.), *Diabetes and Alzheimer's Disease* (Chapter 5, pp. 105–138). Academic Press. ISBN: 978-0-443-40559-4. <https://doi.org/10.1016/B978-0-443-40559-4.00008-8>. <https://www.sciencedirect.com/science/article/pii/B9780443405594000088>

• Articles Published in peer-reviewed journals:

1. Madtha, R., **Abraham, A.**, & Vanitha, N. M. (2026). Ecology of the pigmented bacteria: Netravathi estuaries. *Journal of Pure and Applied Microbiology*, 20(3), 2567–2583. P-ISSN: 0973-7510; E-ISSN: 2581-690X. <https://doi.org/10.22207/JPAM.20.3.53>. Impact factor: 1.1. Indexed in the Emerging Sources Citation Index (ESCI) in Web of Science; Scopus-indexed. SCImago Q3; SJR 2025: 0.297; SNIP 2025: 0.408.
2. Gangadhara, V., Karthik, Y., Manisekaran, R., & **Abraham, A.** (2026). Islet proteome remodeling and proteostasis disruption in HFSC-fed mice. *ACS Omega*, 11(19), 28391–28402. <https://doi.org/10.1021/acsomega.6c00395>. ISSN: 2470-1343. Scopus-indexed; Web of Science-indexed. SJR 2025: 0.81; Q1. Impact factor: 4.47.
3. Gangadhara, V., Gawli, K., & **Abraham, A.** (2026). Discrepancies in β -adrenergic receptor signaling and cAMP pathway in high-fat simple carbohydrate diet-fed C57BL/6J mice: Implications for metabolic syndrome pathophysiology. *Journal of Receptors and Signal Transduction*, 46(1), 36–46. <https://doi.org/10.1080/10799893.2026.2625468>. Print ISSN: 1079-9893; Online ISSN: 1532-4281. Q2. CiteScore Best Quartile: 0.594 (2024); SNIP: 0.588 (2024); SJR: not specified.
4. Gangadhara, V., & **Abraham, A.** (2025). Optimizing 3D structural predictions of murine β 2-adrenergic receptor: SWISS-MODEL outperforms AlphaFold. *Indian Journal of Pharmaceutical Education and Research*, 59(2S), S641–S655. ISSN: 0019-5464. Impact factor: 0.8. Scopus-indexed. SJR 2024: 0.208; Q3.
5. Gangadhara, V., & **Abraham, A.** (2025). Deciphering the involvement of norepinephrine and β -adrenergic receptor subtypes in glucose-induced insulin secretion: An integrated in silico and in vitro exploration using isolated pancreatic islets of C57BL/6J mice. *Journal of Receptors and Signal Transduction*, 45(1), 42–54. Published online December 27, 2024; volume 45, February 2025, issue 1, pages 42–54. Q2. CiteScore Best Quartile: 0.594 (2024); SNIP: 0.588 (2024); SJR: not specified. Print ISSN: 1079-9893; Online ISSN: 1532-4281.
6. Gangadhara, V., Gawli, K., & **Abraham, A.** (2024). Structural insights into mouse β 3-adrenergic receptor: A promising target for obesity and diabetes therapeutics. *Letters in Drug Design & Discovery*, 21(16), 3604–3621. <https://doi.org/10.2174/0115701808301580240405071948>. Impact factor: 1.099. SCImago Q3; SJR: 0.2.
7. John, J. N., Mascarenhas, R. A., Gangadhara, V., & **Abraham, A.** (2024). Floral pigments and its cytotoxic activity: An update. *Indian Journal of Natural Products and Resources*, 15(1), 43–53. March 2024. Print ISSN: 0976-0304; Online ISSN: 0976-0312. Publisher: National Institute of Science Communication and Information Resources (NISCAIR). Impact factor: 0.8. SCImago Q4; SJR: 0.17. <https://doi.org/10.56042/ijnpr.v15i1.7361>.
8. Sreejesh, P. C., George, J., & **Abraham, A.** (2023). Mice ovarian microbiome investigation divulges prospective fount of anticancer and antimicrobial metabolites. *Research Journal of Pharmacy and Technology*, 16(10), 4847–4854. SCImago Q3; SJR: 0.23. <https://doi.org/10.52711/0974-360X.2023.00786>.
9. **Abraham, A.**, D'Souza, S., Prasanna, R. S., Hegde, G., & Vruddhi, M. (2023). *Coscinium fenestratum* stem extracts inhibit lipogenesis in differentiating 3T3-L1 cell lines in vitro. *Al-Shodhana*, 9(1), 38–49. ISSN: 2320-6292.
10. Sreejesh, P. C., & **Abraham, A.** (2023). Exopolysaccharide from the mice ovarian bacterium *Bacillus velezensis* OM03 triggers caspase-3-dependent apoptosis in ovarian cancer cells. *Journal of Applied Pharmaceutical Science*, 13(6), 154–164. SCImago Q2; SJR: 0.28; impact factor: 1.376. <https://doi.org/10.7324/JAPS.2023.110355>.
11. Gangadhara, V., & **Abraham, A.** (2023). Primer designing and standardization of primer annealing temperature for beta-3-adrenergic receptor in *Mus musculus*. *International Journal of Pharmaceutical Sciences and Research (IJPSR)*, 14(4), 1934–1939. E-ISSN: 0975-8232; P-ISSN: 2320-5148. [https://doi.org/10.13040/IJPSR.0975-8232.14\(4\).1934-39](https://doi.org/10.13040/IJPSR.0975-8232.14(4).1934-39). Recently included in Scopus; quartile not assigned.

12. Sreejesh, P. C., & **Abraham, A.** (2022). *Bacillus* strains from the ovaries of Swiss albino mice (*Mus musculus*): Deciphering of probiotic potential through an *in vitro* approach. *Biomedicine*, 42(6), 1200–1208. SCImago Q4; SJR: 0.13; impact factor: 0.1. <https://doi.org/10.51248/v42i6.2302>.
13. D'Souza, R. M., & **Abraham, A.** (2019). Evaluation of cytotoxic potential of L-asparaginase from *Scopulariopsis brevicaulis* on cell lines *in vitro*. *Biomedicine*, 39(2), 252–257. ISSN: 0970-2067. Listed in UGC-CARE. SCImago Q4; SJR: 0.12; impact factor: 0.1. <https://doi.org/10.51248/v39i2.189>.
14. D'Souza, R. M., & **Abraham, A.** (2019). Cytotoxic potential of L-asparaginase from *Bacillus* sp. *in vitro*. *Bacterial Empire*, 2(2), 49–53. ISSN: 2585-9374. SciCell Publishing Company. <https://doi.org/10.36547/be.2019.2.2.49-53>.
15. D'Souza, S. S., & **Abraham, A.** (2019). High-fat simple carbohydrate (HFSC) diet impairs hypothalamic and corpus striatal serotonergic metabolic pathway in metabolic syndrome (MetS)-induced C57BL/6J mice. *Nutritional Neuroscience*, 22(1), 51–62. <https://doi.org/10.1080/1028415X.2017.1354511>. SCImago Q2; SJR: 0.81; impact factor: 3.270.
16. D'Souza, R. M., Pinto, S. K., & **Abraham, A.** (2018). Identification of a novel strain of extracellular L-asparaginase-producing *Scopulariopsis brevicaulis* (Sacc.) Bainier using molecular techniques. *International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS)*, 7(6), November 2018. ISSN: 2319-1953. Journal no. 63611 in the UGC-approved list of journals.
17. Nagaraj, S. B., Roy, N., Gouda, M. M., Moger, R., & **Abraham, A.** (2018). High-fat simple carbohydrate diet intake induces hypothalamic–pituitary–thyroid axis dysregulation in C57BL/6J male mice. *Applied Physiology, Nutrition, and Metabolism*, 43(4), 371–380. <https://doi.org/10.1139/apnm-2017-0410>. Epub November 3, 2017. ISSN: 1715-5312. SCImago Q1; SJR: 1.22; impact factor: 3.460. PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/29099999>.
18. Roy, N., & **Abraham, A.** (2016). Primer designing and an *in silico* PCR for $\alpha 1b$ adrenergic receptors. *International Journal of Latest Trends in Engineering and Technology*, 7(4), 25–30. November 2016. Index Copernicus, ISSN: 2278-621X; P-ISSN: 2319-3778.
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40. **Abraham, A.**, & Paulose, C. S. (1999). Age-related alterations in noradrenergic function in the brain stem of streptozotocin-diabetic rats. *Journal of Biochemistry, Molecular Biology & Biophysics*, 3, 171–176. Print ISSN: 1025-8140. Impact factor: 1.772.

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• Publications in proceedings/abstract books of seminars/conferences

1. Royston Madtha SJ, Asha Abraham, Richard Gonsalves and MD Umar, Evaluation of the anti-adipogenic activity and PPAR modulation by Prodigiosin from *Zooshikella* sp.RANM57, at the International Conference on Biomaterials 2026, during April 9–12, 2026 organized by Elsevier and held at Southern University, Shenzhen, China.
2. Bhavya, Palanisamy M, Shashi Kiran Nivas, **Asha Abraham**, Santhosh Wilson Goveas Taxonomic assessment of intertidal seaweeds from Dakshina Kannada and Udupi Coast, India at S.E.A.W.E.E.D.S. 2026: International Symposium on Seaweeds: Value Chains, Climate Solutions, and Blue Economy Pathways, an expo and business meet jointly organized by Kerala University of Fisheries & Ocean Studies (KUFOS) and Government of Kerala, Department of Fisheries, during March 5–7, 2026, in Kochi, India.
3. Bhavya, Palanisamy M, Shashi Kiran Nivas, **Asha Abraham**, Santhosh Wilson Goveas. Effect of sterilization and culture conditions on callus induction in *Hypnea musciformis* (Wulfen) J.V. Lamouroux at the International Conclave on BIO-PILS 2026 – “Bio Revolution: Pioneering Innovations in Life Sciences,” a two-day international conclave organized by PSGRKCW, Coimbatore, during February 19–20, 2026
4. Bhavya, Shashi Kiran Nivas, Mrinal M, Sudev P, **Asha Abraham**, Santhosh Wilson Goveas. A Systematic Study of Seaweed Responses to Laboratory-Based Aquarium Microhabitats. Interdisciplinary Research Conclave: Collaboration across disciplines through interdisciplinary research 2.0 held on 6th Dec, 2025 Organized by RDC St Aloysius Deemed to be University, Mangaluru 575003
5. Anusha U Bhat, **Asha Abraham** and Lyned D Lasrado. *In Vivo* Toxicological Profiling of Macroalgae in the Model Organism *Drosophila melanogaster*. Interdisciplinary Research Conclave: Collaboration across disciplines through interdisciplinary research 2.0 held on 6th Dec, 2025 Organized by RDC St Aloysius Deemed to be University, Mangaluru 575003
6. Bhavya, Shashi Kiran Nivas, **Asha Abraham**, Santhosh Wilson Goveas. Sustainable Conservation and Cultivation of Marine Macroalga from the Dakshina Kannada Coast at the International Symposium on Marine Ecosystems Challenges and Opportunities (MECOS 4), organized by The Marine Biological Association of India (MBAI), in collaboration with the ICAR-Central Marine Fisheries Research Institute (ICAR-CMFRI), in Kochi, Kerala. during 04 -06 November 2025.
7. Anusha U, Lyned D Lasrado, Goutham K, Yadhu Krishna and **Asha Abraham**. “Assessment of Macroalgae for Dietary Use: An In Vivo Evaluation Using *Drosophila melanogaster* as a Model System” at International conference on Environment, Nutrition and Public Health (ICENPH), jointly organized by Aieonki Publishco, Hyderabad, Department of Marine Biology, Vikrama Simhapuri University, Nellore and Department of Microbiology, Yogi Vemana University, Kadapa held during 16-17 September 2025. Ms Anusha won the BEST POSTER AWARD at the conference.
8. Yadhu Krishna, Feby Luckose, **Asha Abraham** and Anusha U Bhat. “Ultrasonication Pre-treatment for Enhanced Drying Efficiency of *Grateloupia lithophila*: Implications for Sustainable Alternative Protein” Oral presentation at the 8th International Conference on Food and Nutrition - KL (ICFN-2025), Kuala Lumpur, Malaysia on 23 May 2025 held in hybrid mode.
9. Bhavya, Shashi Kiran Nivas, **Asha Abraham**, Santosh Wilson Goveas. “Ecological Significance of Marine Algae: Exploring Seaweed Diversity and Symbiotic Interactions in Dakshina Kannada and Udupi” at International Conference on Marine biodiversity, Genomics and Sustainable Development (ICMBGSD' 25) organised by Department of Marine biology, Microbiology and Biochemistry, Cochin University of Science and Technology, Kochi held during 9-11 April 2025. Ms Bhavya won Best Poster award
10. Diya S Banger, Monika M Jadar, Vinisha Maria Crasta and **Asha Abraham** Isolation and Identification of Soil Microbes for Production of Laccase Enzyme at the Alumni Sponsored National Conference on Recent Advances and Innovations in Biological sciences, Organised by Department of Biotechnology

Alva's College, Moodbidri In association with Karnataka State Pollution Control Board, Mangalore on 21 st March 2025 Won best poster presentation

11. Anjishnu Mukhopadhyay, Gourav Desai, Fathima Rida and **Asha Abraham** Assessing the Larvicidal Potential of Seaweed Extracts: A Study on Chloroform Fractions Using *Drosophila* as A Model at the Alumni Sponsored National Conference on Recent Advances and Innovations in Biological sciences, Organised by Department of Biotechnology Alva's College, Moodbidri In association with Karnataka State Pollution Control Board, Mangalore on 21 st March 2025. Won Best oral paper award.
12. Bhavya, Mrinal M, Sudev P, **Asha Abraham**, Lyned D. Lasrado, Raghavendra SN and Shashi Kiran Nivas Exploring Marine Macroalgae Diversity, Cultivation Potential and Macromolecular profile: Insights from the East Coast of Dakshina Kannada and Udupi, India Book of proceedings page No.96 organised by faculty of PG sciences International Conference on Environmental Sustainability: "Harmony with Nature" ICESHN 2024 April 5 & 6, 2024.
13. Chrysilla Vaz, Royston Madtha and **Asha Abraham** Extraction and Characterization of Exopolysaccharides produced by marine bacteria- *Hahella chejuensis*. Book of proceedings page No. 89 organised by faculty of PG sciences International Conference on Environmental Sustainability: "Harmony with Nature" ICESHN 2024 April 5 & 6, 2024
14. Prastuthi Bhandary, Sowmya Bhat, Sweedol D Silva and **Asha Abraham** Comparative analysis of antioxidant and antimicrobial activity in *Nymphaea nouchali* root and leaf extracts Book of proceedings page No. 88 organised by faculty of PG sciences International Conference on Environmental Sustainability: "Harmony with Nature" ICESHN 2024 April 5 & 6, 2024.
15. Rashal Pinto and **Asha Abraham** Phytochemical Screening, Antioxidant, Antibacterial and Toxicity assessment of *Tinospora cordifolia* stem extracts. Book of proceedings page No. 86 organised by faculty of PG sciences International Conference on Environmental Sustainability: "Harmony with Nature" ICESHN 2024 April 5 & 6, 2024.
16. Royston Madtha, Pravitha Saldanha, Glavin Rodrigues, Lyned Lasrado and **Asha Abraham**. Ecofriendly intracellular carotenoid pigment form from novel heterotrophic bacteria *Erythrobacter tepidarius* at the International Conference on Microbiological Research: Current Challenges and Future Perspectives" from January 9th – 11th, 2024 at Bharathidasan University, Tiruchirappalli, Tamil Nadu, organised by the Department of Microbiology and Microbiology society of India
17. **Asha Abraham** and Takako Niikura. Twelve weeks of feeding of high calorie diet induces brain oxidative stress and initiates behavioural changes in C57BL/6J mice as assessed by Barnes maze. International Symposium on Neuroscience & Imaging: January 3, 2024 organized by Manipal School of Life Sciences, MAHE
18. Royston Madtha SJ and **Asha Abraham**. Genome analysis of novel estuarine bacteria *Qipengyuania* sp." National conference: Present day biology: footprints of and for the environment 9-10 December 2023 at St Xavier's College (Autonomous) Ahmedabad. **Won best paper award**
19. Royston Madtha SJ and **Asha Abraham**. Diversity of Pigmented Bacteria in the Netravati River Estuaries' International conference on "Microbial Bioprospecting for sustainable Development Goals"- November 24th -25th 2023, Lovely Professional University, Phagwara, Punjab.
20. Vijayalakshmi Gangadhara, Bhagya N and **Asha Abraham**. A Proteomic Study of Pancreatic Islets in Metabolic Syndrome-Induced Mice: Unravelling Dysregulated Pathways EMBL–Wellcome Connecting Science Conference Proteomics in cell biology and disease mechanisms 25 - 27 Oct 2023 EMBL Heidelberg
21. Vijayalakshmi Gangadhara and **Asha Abraham**. Pancreatic Islet Dysfunction and Metabolic Syndrome: Role of β 3-Adrenergic Receptors in Dietary Context- 3rd annual meeting of the IRN i-GPCRnet held in Strasbourg-Illkirch France on October 25-27th, 2023 at the Ecole Supérieure de Biotechnologie de Strasbourg.
22. Jeffrina Nancy J, Rhea Ana Mascarenhas, Vijayalakshmi G and **Asha Abraham** "Phytochemical screening and in vitro cytotoxic activity of floral pigments from *Callistephus chinensis*" at National Conference organized by Vel Tech High Tech- Dr Ragaranjana and Dr Sulekha Engineering College, Chennai on 10th and 11th June 2022. **Won 3rd Best Paper Award**
23. Royston Madtha, Lyned Lasrado, Ashok Kumar Chakka, and **Asha Abraham**. Extraction and characterisation of the carotenoid Pigment from heterotrophic bacteria isolated from biofilms at National conference Phytocine organized by St Joseph College, Bangalore on 20th and 21st May 2022.
24. Rhea Ana Mascarenhas, Jeffrina Nancy J, Vijayalakshmi G and **Asha Abraham** "Phytochemical screening and assessment of anti-oxidant and anti-mitotic activity of floral pigments from *Callistephus chinensis*" at National conference Phytocine organized by St Joseph College, Bangalore on 20th and 21st May 2022.
25. Sreejesh PC and **Asha Abraham**. Anticancer and anti-angiogenic potential of an exopolysaccharide from *Bacillus velezensis* OM03, a mice ovarian bacterial isolate" in the International conference (Online) on;

- Challenges in Chemical and Biochemical Engineering for Sustainable Development (CBSD); held between 23 & 24 March, 2022 at Annamalai University, Annamalai Nagar. Tamil Nādu. ISBN 978-81-951299-3-5.
26. Vijayalakshmi Gangadhara and **Asha Abraham** “Expression of beta 2 adrenergic receptors in the pancreatic islets of metabolic syndrome induced C57BL/6J mice” at 24th European Congress of Endocrinology, Milan, Italy on 21st May 2022 to 24th May 2022. **Endocrine Abstracts (2022) Vol 81, DOI: 10.1530/endoabs.81.P112 ISSN 1479-6848 (online)**
 27. Mrinal M, Vijayalakshmi Gurukripa, **Asha Abraham** and Hemalatha N, Cardiovascular Disease Prediction Using Machine Learning Algorithm paper no:20 SACAIM 2021: St. Aloysius Conference on Advanced It, engineering and Management AIMIT, St.Aloysius College (Autonomous) Mangaluru, India, December 2-3, 2021
 28. Bhavya J N, Manasvi, Vijayalakshmi G and **Asha Abraham** Expression of PPAR isoforms in the liver of Metabolic syndrome induced C57BL/6J mice at the International Conference on Nurturing Innovative Technological Trends in Engineering – BIOscience (NITTE-BIO 2021-Virtual conference) held during 19th -20th November , 2021 Paper ID 34 **Won best paper award**
 29. Jyothi Kumari, Vijayalakshmi G and **Asha Abraham** In Silico Assessment of Selective Alpha 2 Adrenoreceptor Antagonist over Alpha 2 Adrenergic Receptor in Mus musculus at the International Conference on Nurturing Innovative Technological Trends in Engineering – BIOscience (NITTE-BIO 2021-Virtual conference) held during 19th -20th November , 2021 Paper ID 35
 30. Pooja, Vijayalakshmi G and **Asha Abraham** Role of alpha-adrenergic receptors on Glucose induced insulin secretion in vitro using mice pancreatic islets at the International Conference on Nurturing Innovative Technological Trends in Engineering – BIOscience (NITTE-BIO 2021-Virtual conference) held during 19th -20th November , 2021 Paper ID 38
 31. Vijayalakshmi G and **Asha Abraham** Effect of beta-adrenergic receptor agonists and antagonist on glucose induced insulin secretion *in vitro*. The 9th GDR3545-GPCR international meeting held online from November 6th to 9th 2020 (Signalling networks -Flash presentations)
 32. Sreejesh P C, **Asha Abraham** Antitumor Exopolysaccharides Derived from Ovarian Microbiome: Isolation, Characterization and Biological activity. Second edition of International Virtual Conference on Natural Products and Synthetic Biology (ICNSB - 2020), Virtual Conference, School of BioSciences and Technology (SBST), Vellore Institute of Technology and Society of Chemical and Synthetic Biology (SCSB) during 4-5th July, 2020. WON 2ND PLACE IN POSTER PRESENTATION
 33. Bhavya J N, Manasvi, Vijayalakshmi G and **Asha Abraham** Designing and Standardization of Primer Annealing Temperature for PPAR γ Gene Expression: Implications in Metabolic Syndrome. WON 2ND PLACE POSTER PRESENTATIONS competition at Science Popularization programme at St Aloysius College (Autonomous) Mangaluru, held on 16th March 2020.
 34. Mrunal Damle, Pooja, Vijayalakshmi G and **Asha Abraham**. Standardisation and Characterisation of MIN6 Cell Line in vitro. WON 3RD PLACE POSTER PRESENTATIONS COMPETITION at Science Popularization programme at St Aloysius College (Autonomous) Mangaluru, held on 16th March 2020.
 35. Shreyoshree Mukherjee, Vijayalakshmi G and **Asha Abraham** Primer designing and *in-silico* PCR for thyroid hormone receptors. Oral Presentation at Alumni Sponsored National Conference on Current Advances in Medical and Industrial Biotechnology at Alvas College, Moodbidri on 20th Feb 2020. Abstract, p16
 36. Vijayalakshmi G and **Asha Abraham** Primer Designing and in-silico PCR for beta-3-adrenergic receptor in Mus musculus C57BL/6J strain. International conference on Advanced IT, Engineering and Management [SACAIM 2019] organized by IT department of AIMIT, St Aloysius College (Autonomous) Mangaluru on 21st and 22nd November 2019
 37. Renita Maria D’Souza, **Asha Abraham**. Cytotoxic potential of Extracellular L-Asparaginase from *Bacillus sps* *in vitro* International Conference on ”Affordable Strategies for Health and Energy (ASHE 2019)”, 23rd - 24th May 2019 Organized by Department of Biotechnology, N.M.A.M. Institute of Technology, NITTE, Karkala.
 38. Shreejesh P.C. and **Asha Abraham**. Bioactive compounds derived from ovarian microbiome as a potential therapeutic agent against ovarian cancer. UGC Sponsored National seminar on Research trends in frontier areas of Biological sciences, 20 March, 2019, Organized by Department of Biosciences, Mangalore University. Book of Abstracts p24
 39. Renita Maria D’Souza, **Asha Abraham**. Evaluation of Anticancer potential of L-Asparaginase from *Scopulariopsis brevicaulis* *in vitro* International symposium on Fungal Biology: Advances, Applications and Conservation & 45th Annual meeting of Mycological society of Indis (MSI) November 19-21, 2018, Organized by National Fungal Culture Collection of India (NFCCI) & MACS Agharkar Research Institute Pune.

40. Renita Maria D'Souza, Sohail Keegan Pinto, **Asha Abraham** Identification of a Novel Strain of Extracellular L-Asparaginase Producing *Scopulariopsis brevicaulis* (Sacc.) Bainier using Molecular Techniques International Conference on Advanced IT, Engineering and Management [SACAIM 2018] November 15th 16th 2018 Organized by St Aloysius College (Autonomous), Mangalore School of Information Technology & Bioinformatics WON BEST POSTER AWARD
41. Shreevidya, Sherine D'Souza, Neena Roy, Tisha Alex, Deepthi K.V, **Asha Abraham** "Adrenergic Receptor and PPAR alpha signalling in the liver of high fat simple carbohydrate fed C57BL/6J mice: Implications on NAFLD" at International Conference held at Alva's College Moodbidri during March 2, 2018
42. Jemi Sosa, Ayshath Sabariyya, Swarnalatha B.N., Neena Roy, and **Asha Abraham**. High fat simple carbohydrate diet impacts leptin signaling in C57BL/6J mice in international conference on 'Recent Vistas in Science and Technology & its Relevance to Biological Sciences', at Alvas College, Moodubidire, March 02-2018
43. Jemi Sosa, Ayshath Sabariyya, Neena Roy and **Asha Abraham**. A study of leptin signaling in the liver of C57BL/6J mice fed on High Fat Simple Carbohydrate diet Two day National Conference on Reaching the Unreached through Science and Technology, Recent advances in Physical, Chemical, Mathematical and Biological sciences for Energy, Health and Environment September 8-9, 2017
44. **Asha Abraham** and Neena Roy Differential expression of adrenergic receptor subtypes and its signalling in the pancreas during onset and progression of metabolic syndrome Poster presented at International Congress of Cell Biology 2018, The dynamic Cell: Molecules and networks to form and function, Jan 27-31, CSIR CCMB, Hyderabad.
45. Sherine D'Souza, D'Souza, Shreevidya Rao, Neena Roy and **Asha Abraham**. A study of the adrenergic receptor subclasses in the liver of C57BL/6J mice fed on High Fat Simple Carbohydrate diet Two day National Conference on Reaching the Unreached through Science and Technology, Recent advances in Physical, Chemical, Mathematical and Biological sciences for Energy, Health and Environment September 8-9, 2017
46. Chitra Pinto, Keerthan R Krishna, Neena Roy and **Asha Abraham** Evaluation of Adrenergic Control of Lipolysis in the Normal and Obese C57BL/6J Mice Adipose Explants *in vitro* at International Conference on Green Chemistry & Nanotechnology opportunities and Challenges-2017 held at SAC, Mangalore during 27th & 28th February.
47. Jinisha k, Vijayalakshmi G, Sreejesh P C and **Asha Abraham**. "Preliminary Studies on Anti-Angiogenic Potential of Microbial Extracts *in vivo*" in The National Conference On "Current Trends In Drug Discovery, Design And Development" organized by Alva's College, Vidyagiri on 23rd February 2017.
48. Santhosh W.Goveas and **Asha Abraham**, *In Vitro* cytotoxic activity of *Coscinium fenestratum* stem extract against human breast adenocarcinoma cell line (MCF-7) at the National Conference on Natural Bioactive compounds and Potential effects on Health jointly organized by Dept of Botany and Dept of PG Studies and Research in Biochemistry at St Aloysius College (Autonomous), Mangalore on 27th January 2017.
49. Neena Roy and **Asha Abraham** High Fat Simple Carbohydrate Diet affects Adrenergic receptors in the Brain stem of C57BL/6J mice. Section: New Biology (including Biochemistry, Biophysics & Molecular Biology and Biotechnology), Indian Science Congress Association meeting to be held at Tirupathi during January 3-8, 2017
50. Neena Roy and **Asha Abraham** Primer designing and *In-silico* PCR for α_{1b} adrenergic receptors. International Conference on Advanced IT, Engineering and Management Date: 10-11 November 2016 Venue: St. Aloysius College (Autonomous), Mangalore, Karnataka
51. Swarnalatha BN and **Asha Abraham** Design of primer for Thyrotropin Releasing Hormone of *Mus musculus* C57BL/6J for qRT-PCR. International Conference on Advanced IT, Engineering and Management Date: 10-11 November 2016 Venue: St. Aloysius College (Autonomous), Mangalore, Karnataka
52. Neena Roy and **Asha Abraham** "Adrenergic receptors: A possible target for Metabolic Syndrome" in the 41st European Symposium on Hormones and Cell Regulation: conference on 'GPCR dynamics for fine tuning of physiological processes' during October 5-8, 2016 at **Mont Ste Odile, Strasbourg, France**.
53. Namitha N Khavi, Alin Maria Jacob, Shruthi K, Neena Roy and **Asha Abraham**. Norepinephrine mediates Leptin secretion via beta adrenergic receptors in obese C57BL/6J mice: An age related study. National seminar on recent advances in Molecular biology (RAMB-2016) 9-11th March, 2016, Organized by Dept of Molecular Biology, Kannur University, Kerala WON BEST POSTER PRESENTATION AWARD
54. Ainsely Antao, Hannah Christina, Neena Roy and **Asha Abraham**. White Blood Cell counts a marker for Metabolic Syndrome? National seminar on recent advances in Molecular biology (RAMB-2016) 9-11th March, 2016, Organized by Dept of Molecular Biology, Kannur University, Kerala
55. Swarnalatha B.N. and **Asha Abraham**. "High Fat Simple Carbohydrate diet induces hyperlipidemia and histological changes in thyroid of C57BL/6J mice" in National Seminar in Frontiers of Biotechnology held

at Bharathiar University, Coimbatore, Tamil Nadu on February 18-19, 2016. In book of abstracts pg 10. **Won the Best Oral presentation award**

56. Neena Roy and **Asha Abraham**. A study of Adrenergic receptors in the Brain stem of C57BL/6J mice fed with High Fat Simple Carbohydrate diet at National Conference on Recent Advances in Biomedical Sciences and Biotechnology organized by Society of Biotechnologists (India) from 17 to 19 December 2015 at Cochin. Abstract in the Journal of Biomedical Reports as proceedings of National Conference on Recent Advances in Biomedical Sciences and Biotechnology, page no.24, volume 2, special edition, December. 2015, ISSN 2395-0110.
57. Neena Roy and **Asha Abraham**. Expression of $\beta 3$ and $\alpha 2A$ adrenergic receptor in the Hypothalamus and Pancreas of High Fat Simple Carbohydrate Fed C57BL/6J male mice presented at 6th World congress on Biotechnology organized by OMICS International conferenceseries.com held on 5-7th October 2015. Abstract as Proceedings in the Journal of Biotechnology and Biomaterials, page no. 298, October 2015, Volume 5, Issue 6, ISSN:2155-952X.
58. D'Souza Serena Stephen and **Asha Abraham**. Effect of HFSC Feed on monoamine metabolic pathway in Male C57BL/6J mice induced with Metabolic Syndrome at National Seminar on New vistas in Biological sciences, Organized by St Aloysius College Mangalore Jan 15-16,2015 **WON BEST ORAL PRSENTATION AWARD**-Research scholar section, In book of abstracts pg 31.
59. Smruthi G. Prabhu, Sulakshana Karkala, Swarnalatha B.N., Neena Roy and **Asha Abraham**. Effect of *Juglans regia* on the blood platelets of Metabolic syndrome induced mice at National Seminar on New vistas in Biological sciences, Organized by St Aloysius College Mangalore Jan 15-16, 2015 **WON BEST ORAL PRSENTATION AWARD**-PG Section, In book of abstracts pg 41.
60. Sulakshana Karkala, Smruthi G. Prabhu, Neena Roy and **Asha Abraham**. *Juglans regia* improves the platelet function in HSFC fed C57BL/6J mice National Seminar on Biotechnology and Molecular Biology for Industry and common man & 36TH PCTA(I) Annual meet, Organized by The dept of PG Studies & Research in Biotechnology, St Aloysius College Mangalore Jan 29-31, 2015 pg 84, ISBN: 978-81-929274-1-9
61. Neena Roy and **Asha Abraham**. Evaluation of the role of Norepinephrine in Leptin secretion by adipose tissue explants isolated from male C57BL/6J mice. National Seminar on Biotechnology and Molecular Biology for Industry aand common man & 36TH PCTA(I) Annual meet, Organized by The dept of PG Studies & Research in Biotechnology, St Aloysius College Mangalore Jan 29-31, 2015 pg 82,ISBN: 978-81-929274-1-9.
62. D'Souza Serena Stephen and **Asha Abraham**. Assessment of the central and peripheral catecholamine metabolism in Male C57BL/6J mice induced with Metabolic Syndrome- POSTER PAPER at International conference on Biology In Post Genomics Era and 82nd Annual Meeting of Society of Biological Chemists at Hyderabad Held At University Of Hyderabad, Hyderabad During 2 - 5 December 2013, page No 72in the abstract brochure
63. Swarnalatha B.N. and **Asha Abraham**. High fat simple carbohydrate fed C57BL/6J mice developed Glucose intolerance and Insulin resistance five months post feeding. Oral presentation at MARINA-13, 6th National Level Conference on "Biotechnology- Present and Future", organized by Dr. NGP Arts & Science college, Coimbatore, September 26th and 27th, 2013 page no 8, in the abstract brochure
64. Siona Silveira, Santy Fernandes, Neena Roy, D'Souza Serena Stephen and **Asha Abraham** Histopathological Analysis of Kidney function in metabolic syndrome induced male C57BL/6J mice poster presentation at Conference on "Science and Technology for Education and Health Care" on 21st and 22nd February 2014 organized by JSS College Mysore in association with 'Karnataka Science and Technology Academy (KSTA). page 69-70
65. Viyanna Menezes, Deborah J Lewis, Neena Roy, D'Souza Serena Stephen and **Asha Abraham**. Study of Leptin secretion *in vitro* using adipose explants culture -poster presentation at Conference on "Science and Technology for Education and Health Care" on 21st and 22nd February 2014 organized by JSS College Mysore in association with 'Karnataka Science and Technology Academy (KSTA). page65
66. Deepthi K.V., Tisha Alex, Neena Roy, D'Souza Serena Stephen and **Asha Abraham** Effect of High Fat simple carbohydrate (HFSC) diet on the liver of C57BL/6J Mice poster presentation at Conference on "Science and Technology for Education and Health Care" on 21st and 22nd February 2014 organized by JSS College Mysore in association with 'Karnataka Science and Technology Academy (KSTA). page65-66
67. D'Souza Serena, Uma Maheshwari, Santhosh Rebello and **Asha Abraham**. Molecular Docking: an in silico approach in the search of a candidate ligand for Peroxisome Proliferator Activated Receptor Gamma (PPAR γ) at UGC sponsored National conference on Biotechnological prospecting in herbal Anti-viral and Anti cancerous drug development organized by Dept of PG Studies & research in Biotechnology, Sri Dharmasthala Manjunatheshwara College, Ujjere during 17th & 18th February 2012. – ORAL

PRESENTATION. In the proceedings and abstracts of the conference BPHAVACDD-OP-IV-001 pg no. 30

68. D'Souza Serena, Prasanna RS, Ganesh Hegde, Vruddhi M and **Asha Abraham**. Effect of *Coscinium Fenestratum* extract on adipocyte differentiation using 3T3-L1 cell line at National conference on perspectives of Biotechnology in health and Industry organized by Dept of Biotechnology, Alva's college on 24th and 25 Feb 2012. In the proceedings and abstracts of the conference page no. 48. WON BEST POSTER AWARD
69. Serena D'Souza, Uma Maheshwari, Santhosh Rebello and **Asha Abraham**. Peroxisome Proliferator Activated Receptor Gamma (PPAR γ): a candidate for drug discovery? At National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012. – ORAL PRESENTATION
70. Samantha Fernanades, Alifha Severes, Tanushree Kudnekar, Serena D'Souza and **Asha Abraham**. Effect of High Fat Simple Carbohydrate (HFSC) Diet on Male Wistar Rats at National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012. - POSTER PRESENTATION
71. D'Silva Priya Carol Daniel, Maya Sudhakaran P.M., Serena Stephan D'Souza and **Asha Abraham**. Phytochemical analysis of selected plants showing hypoglycaemic and hypolipidemic effects- At National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012- POSTER PRESENTATION.
72. Serena D'Souza, Uma Maheshwari, Santhosh Rebello and **Asha Abraham**. PPAR delta: a molecular target in Metabolic syndrome? International Conference on Advances in Biological Sciences is being organized by the Department of Biotechnology and Microbiology and Inter University Centre for Biosciences, Kannur University during March 15-17, 2012 at, Kannur, Kerala, INDIA- POSTER PRESENTATION
73. Neethu P., Haseena P., Zevalu Kezo, Sona Thomas R., Santhosh Wilson Goveas and **Asha Abraham**. Antioxidant properties of *Coscinium fenestratum* stem extracts on Streptozotocin induced type 1 diabetic rats At National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012- POSTER PRESENTATION
74. Irshad Ahmad Sofi, Hidayathulla M.A., **Asha Abraham** and Smitha Hegde Database for cleft palate candidate genes. International conference on Genetic and Molecular Diagnosis in Modern Medicine and Biology during 27th February to 1st March 2010.
75. Serena D'Souza, Nidhi Abraham, and **Asha Abraham** Evaluation of the cytotoxicity of the leaf extracts of *Withania somnifera* on EAC cell line *in vitro*. National Symposium on Trends and advancements in Biotechnology (National Science Seminar Complex, IISc), BIO-SYM 2009, 27-28 November, Bangalore Page No. 62, 2009, Won THE BEST POSTER AWARD.
76. Serena D'Souza, Nidhi Abraham and **Asha Abraham**. Anti tumor effects of Leaves of *Withania somnifera* on Swiss Albino Mice National Symposium on Trends and advancements in Biotechnology (National Science Seminar Complex, IISc), BIO-SYM 2009, 27-28 November, Bangalore Page No. 63, 2009.
77. Serena D'Souza, Nidhi Abraham and **Asha Abraham**. Anti tumor effects of Leaves of *Withania somnifera* on Swiss Albino Mice. 78th meeting of Society of Biological Chemists, SBC 2009, 30 Oct-1 Nov 2009, Page No. 72, Pune
78. Nidhi Abraham, Serena D'Souza and **Asha Abraham** Evaluation of the cytotoxicity of the leaf extracts of *Withania somnifera* on EAC cell line *in vitro* 78th meeting of Society of Biological Chemists, SBC 2009, 30 Oct-1 Nov 2009, Page No. 80, Pune

The following papers were presented at the National Conference on Biotechnology & Clinical Research in India, March 7th & 8th 2008 held at J.N. Tata Auditorium, Indian Institute of science, Bangalore, Organized by Innovative centre for Biosciences.

79. Reena Lobo, Supriya Pai and **Asha Abraham**. Evaluation of the anti-diabetic effect of *Tinospora cordifolia* on streptozotocin induced diabetic rats. Won THE BEST POSTER AWARD.
80. Saran Kumar, Ravi Kiran and **Asha Abraham**. Anti tumor effect of the chloroform extract fraction of fruit rinds of *Garcinia indica* in Swiss Albino Mice. Won THE BEST ORAL PAPER PRESENTATION AWARD.
81. Pallavi Baliga and Nisha Rodrigues and **Asha Abraham**. Isolation and characterization of extracellular L-asparaginase from fungi. International Conference on Biotechnology, Bangalore Bio 2008, 24-26 April, Bangalore.
82. The following papers were presented at The National Conference on Medicinal And Aromatic Plants' (NCMAP-07) organized by Ganga Kaveri Institute of Science And Management from 19-04-07 to 21-04-07 -2007 at Institute Of Agriculture And Technology, Bangalore

83. Nimmy.T.Mohan, Smisha Varadu and Asha Abraham. Cytotoxic effects of leaf and rhizome extracts of *Costus pictus* on EAT cell lines *in vitro* and partial phytochemical analysis. Won THE BEST POSTER AWARD. In the abstracts and proceedings of conference Page No. 83.
84. Poornima Prabhachandran, Sruthi R. Menon and Asha Abraham. Anti tumor effect of *Garcinia cambogia* in Swiss Albino Mice. In the abstracts and proceedings of conference Page No. 93.
85. Ashwini C. H., Mitchell Pinto, Sherin Chacko C., and Asha Abraham. Evaluation of the hypoglycemic effect of the leaves of *Costus pictus* – insulin plant. In the abstracts and proceedings of conference Page No. 70.
The following papers were presented in a National conference at Trivandrum-Biotechnology and Economic Development - A Kerala Scenario & Annual Award Session, Society for Biotechnologists, India (SBTI) (March 25-26, 2006)
86. Bhagya N, Prathibha Ananda, Reshma M, Joji M. George, Ramya Sheshadiri and Asha Abraham “Insulin plant-*Costus pictus* reverses the alterations in glycogen and lipid profile in STZ diabetic rats”
87. Ajith Salvankar, Smitha.B, Lolita Pereira, Bhagya N, Asha Abraham. Effect of insulin plant (*Costus sp.*) in regulating liver glucokinase and insulin content in streptozotocin diabetic rats.
88. Dan Philip George, Paul Mark Dias and Asha Abraham. Cytotoxic effect of the fruit rinds of *Garcinia cambogia* and *G. indica* on EAT cell lines *in vitro*
89. Lolita Pereira, Smitha B., Ajith Salvankar, and Asha Abraham. Role of the leaf extract of *Costus sp.* in regulating antioxidant status in STZ diabetic rats
The following papers were presented in a state level conference –Biospectra at St. Aloysius College, Mangalore on 31-3-06.
90. Smitha B., Lolita Pereira, Ajith Salvankar, and Asha Abraham. Role of the leaf extract of *Costus sp.* in regulating some metabolic enzymes in STZ diabetic rats.
91. Paul Mark Dias, Dan Philip George and Asha Abraham. Partial phytochemical screening of *Garcinia cambogia* and *G. indica*
92. Ajith Kumar, Raghavendra U, Shoba D, Nalinakshi K. and Asha Abraham. Production of chitinase by *P.aerugenosa* using Solid State Fermentation of wheat bran. In the proceedings of Microville 2005, page no. 26, State level conference on Microbiology, held at St. Josephs College, Bangalore, April 15-17, 2005.
93. Bhagya N, Prathibha Ananda, Ramya Sheshadri, Joji M George, Reshma M, and Asha Abraham “Antidiabetic effect of Insulin plant-*Costus sp.* on streptozotocin induced diabetic rats”. In the abstracts and proceedings of International conference on Biotechnology and Neuroscience, Dec 29-31, 2004, 239-243

• Genbank Accessions:

1. **GenBank: MK131391.1** *Scopulariopsis brevicaulis* strain Ne10-4C3 large subunit ribosomal RNA gene, partial sequence Authors: D'Souza,R.M., Pinto,S.K. and **Abraham,A.** Date of submission 7th November 2018
2. **GenBank: MW882947.1** *Bacillus velezensis* strain OM03 16S ribosomal RNA gene, partial sequence. Authors: Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. Date of submission: 8th April, 2021
3. **GenBank: MW888398.1** *Bacillus cereus* strain OM02 16S ribosomal RNA gene, partial sequence Authors: Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. Date of submission: 9th April, 2021
4. **GenBank: MW899043.1** *Bacillus cereus* strain OM04 16S ribosomal RNA gene, partial sequence Authors: Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. Date of submission: 9th April, 2021
5. **GenBank: MW888451.1** *Bacillus aerius* strain OM01 16S ribosomal RNA gene, partial sequence Authors: Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. Date of submission: 9th April, 2021
6. Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. (2022). *Bacillus paramycoides* strain OM04 16S ribosomal RNA gene, partial sequence, Direct Submission, GenBank Accession no. OM746763. <https://www.ncbi.nlm.nih.gov/nuccore/2196353301>
7. Pilakkavil Chirakkara,S., **Abraham,A.** and Plathottam,J.G. (2022). *Bacillus subtilis* strain OM05 16S ribosomal RNA gene, partial sequence, Direct Submission, GenBank Accession no. OM736144. <https://www.ncbi.nlm.nih.gov/nuccore/OM736144>

• OTHER BOOKS:

1. Edited the book of Abstracts: National seminar on Pteridophyta: An Intriguing Flora. Environmental and Ethnobotanical Significance 8th & 9th February, 2013
2. **Dr. Asha Abraham & Mr. Harsha Paul, Microbiology – Biotechnology & Bioinformatics** BO 0045 BO 762 Edition : Fall 2007, Sikkim Manipal University of Health, Medical and Technological Sciences Gangtok, Sikkim, Directorate of Distance Education, Manipal Press Ltd, Manipal.
3. Dr. C.G.Patil, Dr. Raghavendra Rao B and **Dr. Asha Abraham, Plant and Animal Biotechnology**, – Biotechnology & Bioinformatics BO 0055 BO 962 Edition : Spring 2007, Sikkim Manipal University of Health, Medical and Technological Sciences Gangtok, Sikkim, Directorate of Distance Education, Manipal Press Ltd, Manipal

• REVIEWER OF PEER REVIEWED JOURNALS:

1. Journal of Scientific Reports, Nature Publications
2. Bioscience Reports, Portland press. Print ISSN: 0144-8463, Online ISSN: 1573-4935
3. European Journal of Nutrition- ISSN: 1436-6207 (Print) 1436-6215 (Online) Springer Link
4. Current Nutrition and Food Science- ISSN: 1573-4013 (Print) ISSN: 2212-3881 (Online) Bentham Science Publishers
5. Appetite - ISSN: 0195-6663 www.journals.elsevier.com/appetite/
6. Current Science ISSN 0011- 3891 <http://www.currentscience.ac.in/>
7. World Journal of Biology and Biological Sciences <http://www.wsrjournals.org/journal/wjbbs>
8. Journal of Medicinal Plants Research www.academicjournals.org/jmpr
9. Indian Journal of Biochemistry & Biophysics (IJBB) <http://niscair.res.in/>

• MEMBERSHIP IN ACADEMIC BODIES:

1. Life member, Indian Science Congress Association, Kolkata
2. Life member of Indian society for Radiation Biology, New Delhi, India
3. Life member of National Association for Applications of Radioisotopes and Radiation in Industry, Mumbai, India
4. Life member Association of Microbiologists, India
5. Life member Society of Biological scientists, India
6. Life member Society for Biotechnologists, India
7. Member of the institutional-level
8. Innovation council under NAIN 2.0 programme at Fisheries college Mangaluru 2024-
9. Member of the Academic Council St Aloysius Deemed to be University 2024 -
10. Member of BoS, School of Life Sciences, St Aloysius Deemed to be University 2024 -2027.
11. External BoS member in Biological Sciences of Nitte University with effect from 1-9-2023 till 31-8-2026
12. External Auditor for Academic and Administrative audit at NUCSER, Nitte Deemed to be university, Deralakatte, Mangalore on 18 April ,2023
13. Member Board of studies for Evaluation of Ph.D. Thesis at Nirma University Ahmedabad 2023.
14. CCSEA main nominee at ShreeDevi College of Pharmacy and KVG Medical College, Sullia 2022-2027
15. IAEC member at AJ Hospital, Mangalore 2022-27
16. CCSEA link nominee at Srinivas College of Pharmacy Mangalore and Sri Dharmasthala Manjunatheshwara College of Ayurveda and Hospital Kuthpady Udupi - 574 118 Karnataka 2026-31
17. Chairperson, IAEC, St Aloysius College Autonomous 2024-2029.
18. Chairperson for the conduct PhD *viva voce* examination at Mangalore University -2015, 2018,2018, 2020, 2022,2024 &2026.
19. Reviewer at the pre-colloquium of the PhD Program at Yenepoya University on 5th April 2016
20. External expert for the progress review of research scholars at Yenepoya University
21. External expert for the evaluation of grant proposal for external funding agency for prospective research scholars of Yenepoya University
22. Member in the selection committee for PhD students at Mangalore University
23. Member - BTFS Monitoring Committee, BTFS Selection Committee, BTFS Placement committee KBITS (Govt of Karataka) Bangalore 2013- 2016.
24. Member of BOS/BOE St Berchman's College (Autonomous), Changanacherry, Kottayam, MG University, Kerala 2014-2016
25. Chairperson, Board of Studies in Biotechnology & BTFS, St. Aloysius College (Autonomous) (2013-

- 2016).
26. Chairperson, Board of Examination in Biotechnology & BTFS, St. Aloysius College (Autonomous) (2013-2016).
 27. Member of Board of studies for Biotechnology (2010-2012) St. Agnes college (Autonomous), Mangalore
 28. Subject expert for the up-gradation of a JRF working under MoES sponsored project PA College of Engineering, Mangalore 9-7-2011.
 29. PhD coursework coordinator for Mangalore University research scholars from the recognized research centre at St Aloysius, August 2011- June 2016.
 30. Chairperson, Board of Studies in M.Sc. Biochemistry, St. Aloysius College (Autonomous) (2008-2010).
 31. Chairperson, Board of Examination in M.Sc. Biochemistry, St. Aloysius College (Autonomous) (2008-2010).
 32. Member of Board of studies for Biotechnology (2006-2008), Sikkim Manipal University, Manipal
 33. Member, Board of Examiners in M.Sc. Biotechnology, (2007-2008). Mangalore University
 34. Member, Institutional Animal Ethics Committee 2010-till date.
 35. Member, Examinations reforms Committee, (2008-2011) St. Aloysius College (Autonomous)
 36. Chief Coordinator for P.G. End semester examinations (2007-08, 2008-09) St. Aloysius College (Autonomous)
 37. Member, of the Staff council, (2008- 2010) St. Aloysius College (Autonomous)
 38. Member, Board of studies & Board of Examiners in M.Sc. Biotechnology in St. Aloysius College (Autonomous) (2007-2024)
 39. Student welfare officer for M.Sc. Biotech students (2007 –2013)
 40. Placement officer for M.Sc. Biotech students (2004-2013)

• Resource Person / Guest Lectures delivered:

1. Participated as an external expert in the BoS in Biological Sciences at NUCSER, Nitte University held 21st April, 2026.
2. Conducted animal house inspection and attended IAEC meeting as CCSEA main nominee at ShreeDevi College of Pharmacy on 17th January 2026.
3. Participated as scientist outside the institute in the IAEC meeting of AJ Hopital, Kuntikan, as member of CCSEA on 17th December, 2025, and June 16, 2026.
4. Conducted animal house inspection as CCSEA main nominee at KVG Medical college Sullia, and attended IAEC meeting on 16th December, 2025 and 13th July 2026
5. Participated as link nominee of CCSEA in the IAEC meeting of Srinivas College of on 16th December, 2025 and 3rd August 2026.
6. Conducted animal house inspection as CCSEA main nominee at KVG Medical college Sullia and attended IAEC meeting on 30th July, 2025.
7. Participated as scientist outside the institute in the IAEC meeting of AJ Hopital, Kuntikan as member of CCSEA on 25th June, 2025
8. Participated as external expert in BoS in Biological sciences at NUCSER, Nitte University held 29th January 2025, 17th March 2025, 1st September 2025.
9. Conducted animal house inspection as CCSEA main nominee at ShreeDevi College of Pharmacy and attended IAEC meeting on 14th March 2025.
10. Participated as a member of the Institutional level Innovation council under NAIN 2.0 programme at Fisheries college Mangaluru on 30th October 2024
11. Judge for Oral Presentation on March 14, 2024 during one day National conference on Eco Economics organized by Schools of Life sciences and Humanities, St Aloysius Deemed to be University, Mangaluru 575003 on 13th August 2024
12. Was a resource person for panel discussion on the topic Sharing of experiences on collaborations with Jesuit Institutions on 19th June 2024
13. Conducted Animal house inspection as CCSEA main nominee at KVG Medical college, Sullia on 12th June 2024
14. Participated in the IAEC meeting of AJ Hopital, Kuntikan as member of CCSEA on 5th June, 2024
15. Organizing Secretary, International Conference on Environmental Sustainability: Harmony with Nature 2024 organized by Faculty of PG Sciences, SADU.
16. Judge for Oral Presentation (Online) and Poster presentation on March 14, 2024 during International Conference on the theme 'Bridging Enzymes and Industry for a sustainable Future'.

17. Conducted Animal house inspection as CCSEA main nominee at ShreeDevi College of Pharmacy and attended IAEC meeting on February 22, 2024
18. Resource person in the workshop for curriculum internationalization under RISHI project of Deusto University Bilbao, Spain funded by Erasmus+ programme of European Union during National Dissemination event on December 4, 2023 at St Aloysius College Autonomous Mangaluru.
19. Resource person for the talk on "Project proposal writing" on 11th August 2023 during the FDP organized by Food science department
20. External Auditor for Academic and Administrative audit at NUCSER, Nitte Deemed to be university, Deralakatte, Mangalore on 18 April ,2023
21. Conducted Animal house inspection as CCSEA main nominee and attended the IAEC K.V.G. Medical College & Hospital, Kurunjibag Sullia-574327 on 12 May, 2023
22. Participated as Scientist from outside the Institute in the IAEC of AJ Institute of Medical Sciences and Research Centre on 31 March 2023 and 28th August 2023
23. Resource person for Faculty Mobility for research- Sophia University, Japan on 29th September 2022
24. A session on scientific writing for junior staff members of the college on 7th June, 2019.
25. Organized a two day workshop on Basics of Confocal microscopy on 23rd & 24th March 2017
26. Chaired two sessions in the National Conference on Natural Bioactive compounds and Potential effects on Health jointly organized by Dept of Botany and Dept of PG Studies and Research in Biochemistry at St Aloysius College (Autonomous), Mangalore on 27th January 2017.
27. A talk on "Surrogacy" in a UGC sponsored National Conference on "Human rights of women and trans genders vis-à-vis technology and modernity" 11th January 2017 Organized by Government First Grade Degree College Haleyangadi, Mangalore 574146
28. Organized one day lecture workshop on 16th March 2016 for SVS Bantwal BSc students in our dept and encourage staff to deliver lecture and demonstrate the working of PCR machine.
29. Main Judge for science models in DST-INSPIRE AWARD program held at Canara High School, Mangalore during 11-8-2015 till 14-8-2015
30. Organized for one day for High school teacher in Biology Hands on workshop on 19th March 2015 in the department
31. Convener for National Seminar on Biotechnology and Molecular Biology for Industry and common man & 36TH PCTA(I) Annual meet, Organized by The dept of PG Studies & Research in Biotechnology, St Aloysius College Mangalore Jan 29-31, 2015 sponsored by UGC, DBT, INSA & BRNS 250 participants from all over the country
32. Organizing Secretary, Academia Sensitization Training in Intellectual Property Rights "Training-the-Trainer Workshop" conducted by St. Aloysius College in collaboration with Visvesvaraya Trade Promotion Centre, Govt. of Karnataka, Bangalore on August 11,2014
33. Organized one day workshop in laboratory equipment training to staff and student of the college on 14-3-2014
34. Organized and was Resource person for Open day of the Department on March 13th 2014
35. Judge for an event in management fest INSIGNIA 2014 on 25th February held at Kondana village Beelri, organized by AMIT, SAC
36. Organizing committee member "Nuclear Energy for a better society" An awareness programme on positive effects of nuclear energy Dec 12-13, 2013 (sponsored by BARC, Mumbai)
37. Joint secretary at the National seminar on Trends in environmental biotechnology and its applications held at SAC, Mangalore , Dec 11-12, 2013
38. Main Judge for science models in DST-INSPIRE AWARD program held at Pilikula Science Centre, Mangalore during 20-7-2013 to 25-7-2013
39. Chaired a session at the National seminar on trends in environmental biotechnology held at SAC, Mangalore , Dec 11-12, 2013
40. Participated as organizing committee member in National seminar on Pteridophyta: An Intriguing Flora. Environmental and Ethnobotanical Significance 8th & 9th February, 2013
41. Chaired a session National-level seminar on Waste Management and alternative sources of energy on 11-12-2012 conducted by Dept. of Zoology, St. Aloysius College, Mangalore
42. Invited speaker on "Reproductive cloning and its applications" as Mentor/Resource person for Winter Camps of DST INSPIRE initiatives by Indian Academy of Sciences at Sri Mahaveera College, Moodabidiri on 22-10-2012. More than 135 students attended the talk. Also participated in panel discussion as well as walk the talk program in the above mentioned Winter Camps of DST INSPIRE.
43. Participated as resource person for the workshop on Biological techniques for undergraduate teachers and students of St Agnes college held in PG DBT, during 5th -8th November 2012.
44. Gave a talk on Animal cloning on 14-9-2012 for Genotech association, St. Aloysius college, Mangalore

45. Participated as an organizing committee member for workshop on animal welfare and ethics-WAWE 2012 held on 18-8-2012 at P.G. Dept. of Biotechnology, SAC
46. Chaired two sessions At National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012
47. Invited speaker on “Animal Model systems to study Bioprocesses” for National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012.
48. Gave a talk on Stem cells at St. Agnes college, Mangalore on 21-9-2011.
49. Organizing secretary-National Seminar on “Sustainable Waste Management – Problems and Solutions” held at St. Aloysius College, Mangalore January 29-31, 2009.
50. As organiser in UGC sponsored National level Hands on Workshop on Biotechniques in Life sciences held on 10 & 11 January 2008, St. Aloysius College, Mangalore.
51. Coordinator- Lecture workshop on Biotechnology sponsored by Indian Academy of sciences, Bangalore and held in St. Aloysius College, on 30th and 31st January 2007
52. Participated as organising committee member for Biospectra- the state-level seminar on Biotechnology for B.E. Biotech and P.G. students in life sciences held on 31-3-2006 at St. Aloysius College, Mangalore. Was involved in bringing out the book of abstracts for the same.
53. Participated as an organising committee member for the National Seminar on Biotechnology- Bridging the academia –industry gap, held on Jan 20-21, 2006, at St. Aloysius College, Mangalore.
54. Served as President of Biotechnology Association (2004-2007) and conducted a one-day inter-district biotech fest during 2005 & 2006.
55. Organising committee member for National Symposium on Biotechnology for a better future, held at St. Aloysius College, Mangalore. January 15-17, 2004.

• Workshops/symposia/conferences attended

1. Platform, Product and Publishing 2026: Research Smarter with ACS resources: Section 3 Strengthen your Publishing Journey-Ethics in Publishing, organised by American Chemical Society on 24th September 2026.
2. Five day Online Faculty Development Programme (FDP) on Research Excellence through IPR and AI Tools, organized by the Academic and Administrative Development Centre (AADC), in collaboration with the School of Life Sciences, St. Aloysius (Deemed to be University), and in association with the Association of Indian Universities (AIU) during 31st August -4th September, 2026
3. 2-Day Author Development workshop series held on August 18th & 19th 2026, organised by Clavirate.
4. Two-day national-level virtual workshop on Decoding the Microbiome Exploring Microbial Communities Through Metagenomic Profiling organised by Dept of Biotechnology, PSGR Krishnammal College for Women, Coimbatore, during July 17–18, 2026
5. International Conclave on BIO-PILS 2026 – “Bio Revolution: Pioneering Innovations in Life Sciences,” a two-day international conclave organized by PSGR KCW, Coimbatore, during February 19–20, 2026
6. Six day online Faculty Development programme on Gender sensitization and protection of the vulnerables (Towards safer spaces in Higher Education) organized by All India Association for Christian Higher Education (AIACHE), during 1-6 December 2025.
7. Seven-Day National Online Faculty Development Programme on “AI Tools for Research” organised by the Department of Physical Sciences, Kristu Jayanti (Deemed to be University), Bengaluru, from 3rd to 11th October 2025.
8. Seven-Day National Level Faculty Development Programme on Educational Transformation: Integrating AI Teaching Pedagogy and Research organized by the Department of Professional Management Studies, Kristu Jayanti (Deemed to be University), Bengaluru from 22nd to 29th September 2025.
9. International e-Conference on Multifaceted Applications in Biotechnology and Applied Science (e-COMBAS 2.0) during August 29,30 and 31 2025 Organised by: EduLevi Private Limited (A MSME-Udyam & Startup India Registered Company)
10. 5 day online National level FDP on Gen Z 360°: The Generation Reboot- From Clock -in to catalyst, rethinking work, redefining success and reimagining the future of Industry, organized by PG & Research Department of Management Studies, Sacred Heart College Autonomous, Tirupattur , India during 21-25th July 2025.

11. NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by MMTTC, Kannur University from 21.05.2025 to 30.05.2025
12. Online Faculty Development program on “Gaining mastery over the art of keeping students engaged” organized by IA School of Management studies in association with Association of Indian Management schools during 24-28th March, 2025.
13. 7-day International Faculty Development program on Empowering Educators for excellence during 17-24th January 2025. organized by Don Bosco College, KR Puram Bengaluru in association with St Johns University, New York , USA and Institute for International communal, New York , USA.
14. Workshop on Mass Spectrometry Based Metabolomics and Data Analysis during 26th to 28th September 2024 organized by the Centre for Systems Biology and Molecular Medicine, Yenepoya Research Centre, Yenepoya Deemed to be University Mangalore
15. One week International Online Workshop on Data Visualization and Analytics with Excel. Power BI, Tableau and Generative AI during 5th July 2024 to 11th July 2024, organized by the PG Department of Computer Applications and the Internal Quality Assurance Cell of Marian College Kuttikanam Autonomous in association with IPSR Solutions Ltd and Valin-UK, USA and Canada
16. Two day faculty Development programme on 27th & 28th June 2024
17. International symposium on Neuroscience and imaging, Manipal Academy of Higher Education on 3rd January 2024.
18. One Month International Bioinformatics Workshop on -Genomes, Networks & Pathways, 16th September to 8th October 2023.
19. RUSA Sponsored National Level Webinar SCIMATIX-"Fungal Genomics and it's implications" 2nd September 2023
20. RUSA Sponsored International Level Webinar Biofacet-"Advances in Cancer Research" 26th August 2023
21. 7-day National Level Online Faculty Development Program on ChatGPT & AI Tools for Educators organized by Internal Quality Assurance Cell (IQAC) of St Joseph's College Irinjalakuda, in association with The Kerala State Higher Education Council online mode 19th July-27th July 2023
22. Hands on workshop by IPSR solutions on How to set question paper according to Blooms taxonomy, 14th July 2023
23. Attended 7-day National Level Online Faculty Development Program on ChatGPT & AI Tools for Educators organized by Internal Quality Assurance Cell (IQAC) of St Joseph's College Irinjalakuda, in asso. with The Kerala State Higher Education Council online mode 19th July -27th July 2023
24. Seminar on Biotechnology and Bio entrepreneurship development 26 April 2023
25. IP Awareness/Training program under NIPAM on March 2, 2023
26. Participated in the international week hoisted by Universidad Católica de Valencia (UCV) Spain during 2nd May till 6th May 2022. The program was sponsored by Erasmus plus
27. Two days training programme for Nominees of CPCSEA on 1st & 2nd September 2022
28. National level 7-Day Online Workshop on “Revised NAAC Norms and Procedures” under the Aegis of the UGC Scheme – PARAMARSH from organized by SJC Bengaluru. 07 -15 January 2021
29. Webinar on ‘Full Spectrum Flow Cytometry: A New Way of Doing Flow Cytometry’ Speaker: Dr. Hemant Agrawal, Scientific Advisor (Spectral Flow Cytometry), Life Science Division, Labindia Analytical Instruments Pvt. Ltd. Organized by SDM Research Institute for Biomedical Sciences (SDMRIBS). (A Constituent Unit of Shri Dharmasthala Manjunatheshwara University) January 29, 2021
30. International Symposium on Molecular Imaging & Stem Cells (Online), Organized by Department of Biophysics, NIMHANS, Bengaluru March 3&4th 2021,
31. Alumni sponsored International e -conference on Post covid developments in biological sciences, Organized by Alva's College, Moodubideri March 5th, 2021
32. One day National Virtual Seminar on “Computer Aided Drug Designing – A Milestone in Drug Discovery” Organized by College of Pharmaceutical Sciences, DSU, Bengaluru April 9th, 2021
33. FDP on Protein-Receptor Binding Chemistry organized by Dr. Vikram Sarabhai Institute of Cell and Molecular Biology (VSCIMB), The Maharaja Sayajirao University of Baroda (MSU) and Department of Biotechnology, National Institute of Technology (NIT), Warangal during 17th May-22 May 2021.
34. 4 days workshop on Ethics in Biomedical and Health Research: Perception and Practice organized by Nitte University Technology Enabling Center (NUTEC) 5th July – 8th July , 2021
35. One Day Online Seminar on “Artificial Intelligence (AI) in Diagnosis and Therapeutics” organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy- 17th July, 2021
36. Webinar on Technological uses of Fungi: Some modern approaches, Organized by Mycological society of India, Mumbai Unit 11th May, 2020,

37. Webinar : FICCI Lecture series on International Food Code: Codex Alimentarius 16th May, 2020
38. International webinar on Approaching Life's Questions With Mass Spectrometry-Based Proteomics, organized by PP Savani University 22nd May, 2020
39. National webinar on Research Methodology, Organized by Loyola College, Chennai 12th & 13th June, 2020
40. Connecting to the youth in the new normal, organized by Dept of BCA, SAC 16th June, 2020
41. How to prepare a good power point presentation organized by Research cell of SAC 24th June, 2020
42. 5 Days Workshop on Outcome Based Education Jointly organized by SAC & IPSR solutions ltd 22-26th June, 2020
43. Participated as organizing committee member for the webinar on 'Diversity and Ecology of Fungi of the Western Ghats and Mangrove/Marine Habitats of the West Coast of India by Prof KR Sridhar 8th July, 2020
44. National Webinar on '3D Bioprinting: Emerging Technology in Tissue Engineering' organized by Department of Botany & Biotechnology, Newman College, Thodupuzha, Kerala 10th July 10, 2020
45. 'Stress and Brain Health' delivered by Dr. Madhu LN organized by Department of Biochemistry PG SAC 15th July, 2020.
46. Response of startup community to COVID-19" organized by DBT, New Delhi 17th July, 2020
47. 'Chemical Ecology' by Prof P Balaram, Former Director, Indian Institute of Science, Bangalore organized by the Department of Chemistry, St Aloysius College (Autonomous), Mangaluru 4th August, 2020-
48. 'Drug Design – is it really that easy?' by Prof. Uday Maitra, Department of Organic Chemistry, Indian Institute of Science (IISc), Bangalore organized by the Department of Chemistry, St Aloysius College (Autonomous), Mangaluru 7th August, 2020
49. Healthy Longevity through Geriatric nutrition organized by Dept of PG Studies & Research in Biotechnology, St Aloysius College Autonomous Mangaluru on 26th August, 2020
50. Revised Accreditation frame work for autonomous colleges- Jointly organized by SAC and NAAC Bengaluru on 7th September 2020
51. Online workshop on scientific writing and research ethics for medical students and researchers, Organized by Indian Alliance, DBT Wellcome Trust 19th September, 2020
52. Transmission Electron microscopy- Structural Analysis in both material and biological sciences, Organized by IIT Mumbai. 23rd September, 2020
53. 14th October, 2020 Academic best practices: some case studies organized by IISc 7NAAC Bengaluru
54. The 9th GDR3545-GPCR international meeting held online from. Eight sessions: Signaling networks - Compartmentalized signaling - Drug discovery - Metabolism & microbiome - Neurobiology & sensory biology - Structural biology and Computational approaches. November 6th to 9th 2020
55. MoE – STARS Workshop on Grant Writing- Biological Sciences on December 09, 2020
56. Attended workshop, 'Grant Writing Clinic' on 13th July 2019, organized by Manipal, Govt of Karnataka Bioincubator, Manipal.
57. Attended Workshop on “Three generations of PCR and their applications” Hands-on-training at NUCSER during 2-4th July, 2019.
58. Attended a National Workshop on Emerging Targets and Biomarkers in Cancer Therapy, organized by Centre for Application of Radioisotopes and Radiation Technology at Mangalore University during 16th May till 18th May, 2016
59. Attended a workshop on “Principles of Biosafety, Biosecurity and Lab Quality” jointly organized by Departments of Microbiology KMC Mangalore and Manipal and American Society for Microbiology (ASM) & Society for Biosafety, India (SBS) held on 28th May 2016 at Medical Education Unit, KMC, Mangalore.
60. Attended a symposium on 'Genomics in Clinical Practice: Future of Precision Medicine' organized by YU-IOB Center for Systems Biology and Molecular Medicine and Yenepoya Research Center. YU-IOB Center for Systems Biology and Molecular, Medicine (YU-IOB CSBMM) at Yenepoya University, Mangalore from June 1-2, 2016
61. International Conference on Green Chemistry & Nanotechnology opportunities and Challenges-2017 held at SAC, Mangalore during 27th & 28th February, 2017.
62. Participated in Skanray technologies sponsored “Innovation in medical instrumentation”, 5th Feb, 2016, St. Aloysius College
63. Attended a National Conference on “Current Status of Stem Cells and Cell Based Therapy with Emphasis on Orthopaedic Applications” from 3rd - 4th October, 2015 at K. S. Hegde Medical Academy (KHEMA), Nitte University, Mangalore- 575018.

64. Attended IAS sponsored Lecture workshop in Advances in Endocrinology and Genetics organized by Dept of Zoology, SAC on 27th & 28th February 2015.
65. Chaired a session National Seminar on New vistas in Biological sciences, Organized by St Aloysius College Mangalore Jan 15-16, 2015
66. Attended Seminar on Radioisotope & Radiation- A tool in Scientific Research, Organized by Centre for Application of Radioisotopes and Radiation Technology organized by Mangalore University 28-4-2014.
67. National level seminar on Waste Management and alternative sources of energy and chaired a session on 11-12-2012 conducted by Dept. of Zoology, St. Aloysius College, Mangalore
68. Participated as an organizing committee member for WAVE 2012 held on 18-8-2012 at SAC.
69. Chaired two sessions At National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012
70. Invited speaker on “Animal Model systems to study Bioprocesses” for National seminar on Biomolecules & Biocatalysts on Bioprocesses, Organized by Dept. of Biochemistry St. Aloysius College on 8th & 9th March 2012.
71. National conference on perspectives of Biotechnology in health and Industry organized by Dept of Biotechnology, Alva’s college, Moodabidri on 24th - 25 Feb 2012. POSTER PAPER
72. Attended Lecture workshop on Genes, Genomics and Proteomics, sponsored by Academies, January 28-29, 2011, held at St. Aloysius College, Mangalore.
73. Participated in the International seminar on Nanotechnology December 14-17th 2010, held at St. Aloysius College
74. Attended IBRO sponsored Lecture workshop and Poster exhibition on Neurological disorders-causes and underlying mechanisms: Current status and research trends held on 1-9-2010 at St. Aloysius College.
75. International conference on Genetic and Molecular Diagnosis in Modern Medicine and Biology during 27th February to 1st March 2010 held at Yenepoya University
76. Genetic and Molecular Diagnosis in Modern Medicine and Biology pre-conference demonstration workshop on Karyotyping, 26th February 2010 held at Yenepoya University
77. A training program on Molecular Markers: Discovery and Validation conducted by CPCRI , Kasargod, Kerala during 18-22 January 2010
78. Lecture cum demonstration workshop-Evolutionary Biology Darwin and beyond sponsored by Indian Academy of Sciences, organised by P.G. Dept. of Biotechnology 17-19th December 2009
79. Workshop on scientific writing conducted by Mrs. Jennifer Jenkins (Swiss tropical institute Basel Switzerland organized by St. Aloysius College, Mangalore on 6-11-2009
80. National Workshop on Research methodology held at St. Aloysius College, Mangalore organized AICS, during March 24th and 26th 2009
81. IBRO sponsored Brain awareness programme organized by P.G.Dept. of Biotechnology, St. Aloysius College, 20& 21st March 2009.
82. Attended a four day National workshop on Application of Radioisotopes in Biology (ARB-2008) held in Mangalore University, Karnataka 7-10 March 2008.
83. Attended a two-day seminar and workshop on Bioinformatics held at St. Aloysius College, Mangalore during March 26th and 27th 2007.
84. Attended TIFAC CORE sponsored seminar on Industrial Biotechnology held at NITK Surathkal on 16-6-2006.
85. Attended a one-day seminar on “Cytokines, receptors and their clinical implications” held at K.S. Hegde Medical Academy, Deralakatte, Mangalore on 22nd January 2005.
86. Attended and my students presented a paper at “International Conference on Biotechnology and Neuroscience”, during December 29-31, 2004; held at Cochin University of Science and Technology, Cochin, Kerala.
87. Attended Indo-Australian Symposium on Biomaterials and Bioengineering, held at Manipal Academy of Higher Education, Manipal-576 104. February 13, 2004.
88. Initiation Discussion on students' Projects Programme (Science) of the Karnataka State Council for Science and Technology, held at Canara First Grade College, Mangalore. October 25, 2002.
89. International Conference on Neurobiology, From Receptors to effectors, sponsored by the Tata Institute of Fundamental Research, Bombay, held at Cochin. May 15-18, 1994.
90. Popular lecture in Biotechnology, held at Cochin University of Science and Technology, Kochi 22, Kerala. December 6, 1993.

Dr Asha Abraham