

Profile of **Dr.A.SHOBANA**



- (i) Designation : Assistant Professor
(ii) Department : Biochemistry, Biotechnology & Bioinformatics
(iii) Qualification : M.Sc. (Genomics), M.Sc. (Bioinfo), M.Phil.,
Ph.D., SET
(iv) Experience : 9 Years
(v) Specialization : Enzymes and Enzyme technology
(vi) Email id : shoba.s1823@gmail.com, Mob No: 9790133832
(vii) Research Guidance :

Degree	Awarded	Guiding
M.Phil	-	1
Ph.D	-	-

(viii) Publications

S.No	Category	Total	For the Period (2013-2018)
1	International Journals	3	2
2	National Journals	1	-
3	In house	-	-
4	Full length articles in proceeding		2
5	National Conference	-	-
6	Books / Chapters in Books / Books Edited	-	-

Best 5 Publications (2013-2018):

S. No	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pages	Date, Month and Year
1.	A Study of Purification Profile	International Journal of	International	0975-833X	6(04)	6042 -	April 2014

	and Molecular Weight of Fish Visceral Protease Precipitated with Different Precipitating Agents	Current Research				6045	
2.	Partial Characterization of Protease from the Visceral Organ Waste of Cobia (<i>Rachycentron canadum</i>)	Journal of Biology, Agriculture and Healthcare	International	(P) 2224-3208 (O) 2225-093X	3 (14)	5-10	2013

(ix) Sponsored Projects

Projects handled so far		Projects handled during (2013-2018)	
Nos	Financial Outlay	Nos.	Financial Outlay
1	Rs. 20,000/-	1	Rs. 20,000/-

(x) Details of the Projects (2013-2018):

S.No	Title of the Project	Funding Agency	Duration	Total Amount in Lakhs
1	Isolation and Study of Protease from Fish Waste and Recommendation of its Use in Leather Industry	UGC – In-House	3 months (Dec 2016 – Mar 17)	0.2

(xi) Seminars / Conferences / Workshops organized (2013-2018) : 7

(xii) Seminars / Conferences / Workshops attended (2013-2018) : 12

(xiii) Awards / Achievements / Recognitions (2013-2018) : –

(xiv) Invited Talks (2013-2018) : 1

(xv) Visits Abroad (2013-2018) : –

(xvi) Additional Responsibilities (2013-2018) :

Signature of the staff

1) Conferences/Seminars/Symposia/Workshops Organized:

International:

1. International Conference on “Herbal and natural components as the future of pharmacology and 7th Annual Meet of the National Society of Ethanopharmacology”, at Avinashilingam Institute for Home Science and Higher Education for Women from 27th February to 1st March, 2017.
2. International Conference on ‘Translational Cancer Research’ ICTCR 2015, at Avinashilingam Institute for Home Science and Higher Education for Women on 14 - 16 December 2015.
3. SFRR SATCON, 2- day International Symposium on Free Radical Damage and Herbal Antioxidants in Health and Disease at Avinashilingam Institute for Home Science and Higher Education for Women on 4th & 5th February 2013.
4. International Seminar on ‘Research Methodology and Data Interpretation’ at Avinashilingam University for Women, Coimbatore on January 28th, 2010.

National:

1. One day National Seminar on “Current Approaches in Proteomics (CAP 2017)”, organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 20th December 2017.
2. One day National Seminar on “Leaps and leverages in life Science” organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 15th March 2017.
3. One day National Seminar on “Breakthroughs and Boulevards in Biosciences” organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 22th March 2016.
4. One day Students Symposium on “Cutting Edges in Biotechnology” organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 26th February 2014.
5. Conducted practical’s in the Summer Training Programme in Biological Sciences for Post Graduate Students on 19th May 2011 organized by the Department of Zoology, Avinashilingam Deemed University for Women, Coimbatore.
6. Executive Committee Member of the Organizing team for National Seminar on ‘Computational Biology’ Avinashilingam Deemed University for Women on March 16th, 2011.
7. Member of the organizing team in the DST-CURIE sponsored National Workshop on “Basics in Animal Tissue Culture and Phytochemical Analysis” organized by the

Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Deemed University for Women, Coimbatore, from 22nd November to 4th December 2010.

8. Member of the organizing team in the Four day National Workshop on “Molecular Techniques in Biological Sciences” Organized by the Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore, from 25th to 28th February, 2008.
9. Member of the organizing team in the Two days National Seminar on “Advanced Technologies in Bioscience for Teachers and Reserchers” organized by the Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore, on 27th and 28th January, 2008.

2) Conferences/Seminars/Symposia/Workshops Participated:

International:

1. International Conference on “Herbal and natural components as the future of pharmacology and 7th Annual Meet of the National Society of Ethanopharmacology”, at Avinashilingam Institute for Home Science and Higher Education for Women from 27th February to 1st March, 2017.
2. Participated in the International Conference on Translational Cancer Research (ICTCR-2015), organized jointly by Avinashilingam Institute for Home science and Higher Education for Women, Coimbatore and The Ohio State University, on 14-16, December 2015.
3. SFRR SATCON- 2 day International Symposium on Free Radical Damage and Herbal Antioxidants in Health and Disease at Avinashilingam Institute for Home science and Higher Education for Women on 4th & 5th February 2013.
4. Participated in the DST-CURIE sponsored Workshop on “Immunohistochemical and Immunocytochemical Analysis” conducted by Dr. Jin Man Kim, Head, Division of Pathology, School of Medicine, Chungnam University, S.Korea, organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, from 13th to 18th February, 2012.
5. Participated in 4th Indo-Korean Conference on Integrative Bioscience Research- Opportunities and Challenges organized by Faculty of Science and Faculty of Home Science, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, on 10th and 11th February, 2012.
6. Indo Korean Joint Seminar on ‘Medicinal Plant Research – IKMPR – 2010’ at Avinashilingam University for Women, Coimbatore on February 23rd, 2010.
7. International Seminar on ‘Research Methodology and Data Interpretation’ at Avinashilingam University for Women, Coimbatore on January 28th, 2010.
8. Participated in the 1st Indo-Korean Seminar on “Secondary Metabolite Sources and Production Process” organized by the Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam University for Women, Coimbatore, on 14th February, 2007.

National:

- 1) Participated and presented a paper on UGC Sponsored 2nd National Conference on “Eco-Textiles and Green Consumerism” ETGC-2017, organized by the Department of Textiles and Clothing, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, on 24th February, 2017.
- 2) Participated in XXX-Winter School on Advances in Molecular Diagnostic Techniques: Biochemistry and Immunology” held during 5th – 17th December, 2016 at UGC-Networking Resource Centre in Biological Sciences, School of Biological Sciences, Madurai Kamaraj university, Madurai.
- 3) Participated in the training programme on “Stress Management” organized by Internal Quality Assurance Cell (IQAC) and Department of Psychology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, on 20th October 2016.
- 4) Participated in National Symposium on “Genetics, Genomics and Proteomics”, organized by ICMR/Ganga Orthopedic Research and Education and Ganga Hospital, Coimbatore on 22nd August 2016.
- 5) Participated in the UGC-Sponsored 106th Orientation Programme held at UGC-Academic Staff College, Bharathiar University, Coimbatore from 11.02.2015 to 10.03.2015.
- 6) UGC sponsored 9th Teacher/Researcher Training Workshop in Biological Sciences, organized by Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore, Karnataka from 5th – 31st May 2014.
- 7) Participated in Life Sciences Day and Hands-on Training on Chromatography System, conducted at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on March 6-7, 2014.
- 8) Participated in the DST-CURIE sponsored National Workshop on “Techniques in Biotechnology and Molecular Biology – Analysis of Biological molecules” conducted at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, from 20th to 25th January, 2014.
- 9) Presented paper entitled ‘Isolation, Purification and Partial Characterization of Protease from the Visceral Organ Waste of Cobia (*Rachycentron canadum*)’ in the National Seminar on “Enzymes and Biocatalysis. The Versatile Actors: Current Trends and Future Perspectives (NSEB 2012)” held on 5th and 6th January, 2012 at Department of Biochemistry, Periyar University, Salem, Tamil Nadu.
- 10) Participated in Research Convention “Research Ethics and Post Research Perspectives” on August 10th and 11th, 2011 at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
- 11) National Seminar on ‘Computational Biology’ at Avinashilingam Deemed University for Women on March 16th, 2011.
- 12) Participated in Workshop “Path Finder – Explore, Experiment, Elucidate Research: A Colloquium-2010” held on December 22nd and 23rd, 2010 at Avinashilingam Deemed University for Women, Coimbatore.

- 13) Participated in One day Workshop on “Sensitization of UGC Norms for Promotion and Recruitment of University Teachers (XI Plan Regulations)” organized by the Avinashilingam Deemed University for Women, Coimbatore on 30.11.2010.
- 14) Participated in the Two day National Conference – INVENIO’08 on “Research and Development in Computational Biology and Bioinformatics” on 29th February and 1st March, 2008, organized by the Department of Bioinformatics, Kongunadu Arts and Science College, Coimbatore.
- 15) Presented a poster on “Molecular Phylogeny of Selected Bat Species of Madurai Region” at Bioconcorrenza’07 conducted by Department of Plant Molecular Biology and Biotechnology on March 15, 2007.
- 16) Presented a poster on “Immunotoxins for Targeted Cancer Therapy” in the National Symposium on “Recent Trends in the Research and Management of Cancer” on 15th December 2006, organized by Department of Biochemistry and Biotechnology, Avinashilingam University for Women, Coimbatore
- 17) Presented a poster entitled “Isolation and Purification of Protease from the Visceral Organ Waste of Fish (*Schomberomorous gattatus*) in the Conference organized by the School of Biotechnology, Karunya University (Deemed), Coimbatore on 29th September 2006.
- 18) Participated in the National level symposium on Bioinformatics – “Motif 05” held on October 6th 2005, organized by the Department of Bioinformatics, Bharathiar University, Coimbatore.
- 19) Participated in the Science Day and Aqua-Terr Annual Conference held on 5th March 2005 conducted by the School of Biological Sciences, Madurai Kamaraj University, Madurai.

Publications:

1. Vijayalakshmi, G., Anitha Subash and Shobana, A. (2014). A Study of Purification profile and Molecular Weight of Fish Visceral Protease Precipitated with Different Precipitating Agents, *International Journal of Current Research*, 6(4): 6042-6045.
2. Shobana, A and Anitha Subash (2013). Partial Characterization of Protease from the Visceral Organ Waste of Cobia (*Rachycentron canadum*), *Journal of Biology, Agriculture and Healthcare*, Vol.3 (14): 5-9.
3. Subash, A., Shobana, A., Shanmugakani, G., Swetha, V.P. and Leema Josephine, J. (2011), Utilization of visceral waste of ribbon fish (*Trachipterus trachipterus*) for the extraction, purification and characterization of protease, *Journal of Cell and Tissue Research*, Vol. 11 (1): 2589-2594.
4. Shobana, A. and Anitha Subash (2010). Utilization of visceral organ waste of Catla (*Catla catla*) for the isolation, purification and partial characterization of protease, *Advanced Biotech*, Vol. 9 (9): 33-36.

Achievements:

- (i) Cleared State Eligibility Test (SET) in August 2011.
- (ii) Received Rajiv Gandhi National Fellowship for SC/ST candidates for pursuing Ph.D. (August 2011-January 2013).

Membership in Professional Bodies

- (i) Life member in Indian Science Congress Association.
- (ii) Life member in Dr.Aruchami Research Foundation.
- (iii) Life member in National Society of Ethanopharmacology.

Additional Responsibilities

- (i) Examination committee member (2016 – till date).
- (ii) Placement Coordinator – Science Faculty (2015-18).
- (iii) In-charge for Value Added Course (2013 – till date).
- (iv) Member in organizing team in the Departmental Association activities (2013 – till date).
- (v) NSS Assistant Programme Officer (Feb 2016 – April 2017).
- (vi) Equipment in-charge in the department.
- (vii) Class tutor for UG Biochemistry and Biotechnology (2014-17 batch).
- (viii) On-the-job summer training in-charge for UG Biochemistry and Biotechnology (2014-17 batch).
- (ix) Accompanied III UG Biochemistry and Biotechnology (2015-16) students for the Industrial Visit to Thiruvananthapuram and III Biochemistry and Biotechnology (2017-18) students to Bangalore and Mysore.
- (x) Class tutor for PG Bioinformatics (2017-19 batch).
- (xi) Committee member in Kalaivizha, Lighting Ceremony, Convocation and Amma Memorial Day.