

## BIODATA

**Dr. S. Anita**

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<b>1. Qualification</b>	:	<b>M.Sc., M.Phil., Ph.D</b>
<b>2. Age and Date of Birth</b>	:	45, 01- 06- 1976
<b>3. Presently working at</b>	:	Professor and Head Department of Food Technology K.S.Rangasamy College of Technology Tiruchengode – 637 215 Namakkal District, Tamil Nadu, India.
<b>4. Marital Status</b>	:	Married
<b>5. National Status</b>	:	Indian
<b>6. Religion</b>	:	Hindu

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**Educational qualification:**

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<b>Course</b>	<b>Institution Studied</b>	<b>Year of Passing</b>	<b>Class</b>	<b>Percentage or GPA</b>
Ph.D	Anna University, Chennai	2013	-	-
M.Phil. Foods Science & Nutrition	Avinashilingam Deemed University, Coimbatore	July 1999	I Class	70%
M.Sc. Foods Science & Nutrition	PSG college of arts and science	May 1998	I class	65%
B.Sc. Foods Science & Nutrition and Biochemistry	Avinashilingam Deemed University, Coimbatore	May 1996	I class	68%

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**Working Experience:**

<b>Institution</b>	<b>Designation</b>	<b>Period</b>	
K.S.Rangasamy College of Technology, Tiruchengode – 637 215	Food Technology Professor and Head	18.08.2017	Till Date
	Food Technology Associate Professor	01.06.2016	17.08.2016
	Associate Professor	01.09.2015	31.05.2016
	Assistant Professor	01.07.2010	31.08.2015
	Lecturer	23.05.2005	30.06.2010

**Total teaching experience: Thirteen years**

**INDUSTRIAL EXPERIENCE:**

Quality control – manager in Nani agro foods Pvt Ltd., Erode, Tamil Nadu, for a period of two year working on “Quality control assessment and formulation in food processing technology”.

**RESEARCH EXPERIENCE:****FUNDED PROJECTS**

1. “Formulation of probiotic health drinks using different traditional herbs and its evaluation using animal models” was sponsored by UGC under Ref No. F.NO:4-4/2014 -15(MRP-SEM/UGC-SERO)
2. Probiotication of Nannari syrup by using *Lactobacillus acidophilus* and its study on anticancerous activity” was sponsored by Tamilnadu State Council for Science and Technology under Ref No. TNSCST/STU.PRJ/RJ/2013-2014.
3. Member in Advisory Committee for DBT STAR COLLEGE Scheme and represented Department of Food Technology Ref.No: San No. 102/IFD/SAN/4453/2017-18 dated 26.02.2018
4. Have received the fund of 252 Lakh from Ministry of Food Processing Industries, Panch sheel Bhawan, New Delhi for establishment of K.S.R food testing Laboratory. F.No. F-11011/16/2017-FTL dated 09.07.2019.

**Ph.D THESIS WORK:**

Project : Evaluation of *Trichoderma* spp. isolated from southern Indian teaplantation against *Phomopsis* canker diseases

Supervisor : Dr.P.Ponmurugan

Location : Department of Biotechnology, K.S.Rangasamy college of Technology, Tiruchengode.

### **M.Phil THESIS WORK:**

Project : Nutritional profile of children (1-2y; N=600) given Soy Protein Isolate Mix Vs ICDS Mix

Supervisor : Dr.Usha ChandraSeker,

Location : Department of Food and Nutrition,  
Avinashilingam Deemed University, Coimbatore.

### **M. Sc THESIS WORK:**

Project : Dietary Pattern of Pregnant adolescent girls, their maternal body mass index and birth weight.

Supervisor : Dr. R.Lalitha Ramachandran,

Location : Department of Food and Nutrition, PSG College of arts and science  
Coimbatore

### **National/ International Seminars, Symposia, Conferences and Workshops Organized**

1. Organized National level conference on “Biodiversity Conservation – Status, Future and Stay Forward” which was held during 19-20<sup>th</sup> July, 2014 by receiving fund of 1Lakh from ministry of environmental science and Department of science and Technology
2. Organized Two days Workshop on “Baking and Confectionary Technology” on 22<sup>nd</sup> and 23<sup>th</sup> August 2017.
3. Organized Non-formal Course on “Application of Human Sensorium to analyse and Evaluate Food Samples on 10.02.2018 to 03.03.2018
4. Organized DBT star college sponsored Hands on Training program on Fruits and Vegetable Processing and Bakery technology” on 4th and 5th October 2018
5. Organized DBT star college sponsored National Seminar on Food safety and Quality Control on 05.03.2019
6. Organized DBT star college sponsored two days workshop on Hands on Training Program In Entrepreneurship Development For Rural Women In Food Processing Sector 4th&5th July

### **Papers Published in International and National Journals**

1. **Anita, S.** and Ponmurugan, P. “*In vitro* evaluation of *Trichoderma atroviride* against *Phomopsis theae* a casual agent of Collar Canker Disease in Tea Plants”, International Journal of Agricultural research, Vol. 6, pp. 620-631, 2011.
2. **Anita, S.,**Ponmurugan, P. and Ganesh Babu, R. “Significance of secondary metabolites and enzymes secreted by *Trichoderma atroviride* isolates for the biological control of *Phomopsis* canker disease”. African Journal of Biotechnology, Vol. 11, No. 45, pp. 10350-10357, 2012
3. Gaanapriya, Guhankumar, Sandhiya.N.,Kiruthika.V., and **Anita, S** “Probiotication of fruit juice by *Lactobacillus acidophilus*”, International journal of Advanced Biotechnological Research,Vol.4,Issue.1, Page 930-940,2013
4. **Anita, S.,** Ponmurugan, P. and Marimuthu S. “Screening and bioformulation of potential isolates against *Phomopsis* canker disease” International journal of tea science, Vol. 9(1), pp. 20-26, 2013.
5. **Anita, S.,** Sameshwari, T. and Kalpana, B.“Formulation and evaluation of instant soup powder using millets”, International Journal of Current Research, Vol.8(8), pp.35668-73, 2016
6. **Anita, S.,** Gomathi, T., Aravindh, M. and Kalpana, B., “Evaluation of nutraceutical properties of Jamun squash Probioticated using kefir seeds”, PAK. J. FOOD SCI.,26(3), 2016: 109-118.
7. **Anita, S.,** Aravindh, M., Ramya, E.“Influence of probioticated Moringa oleifera leaf extract for treatment of anaemia using animal model. International Research Journal of Pharmacy”, 2017, Vol.8 (5):101-107, <http://dx.doi.org/10.7897/2230-8407.08582>.
8. S. Anita, D. Monisha, P. Sundararajan , S. Narasimman , G. Bharath. “Formulation of *Withania somnifera* based herbal cookies using response surface methodology”, International Research Journal of Pharmacy, 2017, Vol.8 (6):100-108,<http://dx.doi.org/10.7897/2230-8407.086105>.
9. Anita S, Vigneshwaran S, Srinivasan R, Karthikeyan K, Nanda kishor MV “Production of extruded products using millets and *Amarphophallus paeoniifolius* (elephant foot yam) flour”, American International Journal of Research in Science, Technology, Engineering & Mathematics. IBCFT-076, 2019, 357-360.

**Book Chapter Published:**

Published Book chapter in the title “Current Scenario of Food Processing Industries in India” in the book “Industry – Institute Interaction in Biotechnology”,MAC MILLAN Publishers India Pvt., New Delhi, India, ISBN : 978-935-059-057-7

**DNA sequence submitted:**

<b>Species identified</b>	<b>Accession number</b>
<i>Trichoderma atroviride</i>	JQ580976
<i>Trichoderma atroviride</i>	JQ580979
<i>Trichoderma atroviride</i>	JQ580977
<i>Trichoderma atroviride</i>	JQ580975
<i>Trichoderma atroviride</i>	JX298678
<i>Trichoderma atroviride</i>	JQ580978
<i>Bacillus megatarium</i>	KX197921
<i>Enterococcus durans</i>	KX129817

**Courses handled**

1. Food biotechnology
2. Food processing Technology
3. Industrial Biotechnology
4. Animal Biotechnology
5. Immunology
6. Food Microbiology
7. Quality control in biotechnology
8. Meat, fish and Poultry Processing Technology
9. Nutritional and Healthy life.

Produced 100% result in the above courses

**Technical Skills**

1. Profound practical experience in isolation of industrially important microbes.
2. Creditable Knowledge in food product development and processing
3. Skilled in software such as SSPS and Design expert

**Memberships of Professionals / Learned bodies / Societies**

S.No.	Name of the Professionals/Learned bodies/Societies
1.	National academy of biological Science
2.	Indian Society For Technical Education, New Delhi, India
3.	Society for Biotechnologists in India, Trivandrum, India
4	Association of Food Scientists and Technologists, Mysore

### Other activities and achievement

- Handled classes for IGNOU - Diploma in Nutrition and Health education, Diploma in Early childhood care and Education
- As a question paper setter for reputed institutes under Anna University
- Journal reviewer - African journal of biotechnology, Journal of poisonous and medicinal plant research, Journals of Agriculture.
- Organized National level conference on “Biodiversity Conservation – Status, Future and Stay Forward” which was held during 19-20<sup>th</sup> July, 2014
- Received a sum of Rs 1, 00, 000 (one Lakh) form ministry of environmental science and Department of science and Technology for conducting national level conference
- *Trichoderma atroviride*(Biocontrol agent) is deposited in Microbial Type Culture Collection and accession number is MTCC 9461
- Acted as a coordinator in criteria two preparation for NBA tier I – Washington Accord accreditation process for imparting outcome based education system
- Acting as an exam coordinator of the department in conducting internal assessments
- Acted as ISO department coordinator
- Developed 28 millet based Instant food products and exhibited in stall at Vibrant Tamilnadu, International expo (Stall No. C10) on 12<sup>th</sup> Aug to 15<sup>th</sup> Aug.

### Student research project guided

Ph.D	M.Tech	B.Tech	M.Sc
1 (in progress)	4	20	10

### Papers Published in International and National Conferences

Anita, S. and Ponmurugan, P, “In the topic entitled Probiotication of vegetable juice by *Lactobacillus acidophilus*“Recent trends in Food technology” at Karunya University, Coimbatore. 2009.

Anita, S. and Ponmurugan, P. “Screening of efficient carrier media for *Trichoderma atroviride*” at an International Conference on Computational Biotechnology and Nanotechnology organized by Vivekanandha College of Engineering for Women, Tiruchengode, India, 2010.

Anita, S. and Ponmurugan, P, Evaluation of *Trichoderma* spp., isolated from southern Indian Tea plantation against *Phomopsis theae*, eading towards Molecular Horizons in plant pathology : Host Resistance, Pathology Dynamics, Diagnostics and Management, at sugarcane Breeding Institute, Coimbatore, 16 –17<sup>th</sup> Nov, 2012

Anita, S., M. Aravindh and S. Shanmuga Priya, “Probiotication and evaluation of Jamun squash using kefir seeds”. National conference on food, chemical and Biotechnology, Kongu Engineering College, Perundurai, Erode, 12<sup>th</sup> Sep, 2014

Anita, S., Vignesh M and M.Aravindh “Formulation and Evaluation of probiotic tea” National Conference on nutritional, functional and safety Challenges of Food, Department of food processing engineering, SRM University, 26 and 27<sup>th</sup> OCT 2015

Anita, S and M.Aravindh“ Evaluation of probioticated Herbal Squash using selected herbs” DBT sponsored national conference on “ Research strategies, Technologies and upcoming challenges in food science and Biotechnology for healthier life, Kongu Engineering College, Perundurai, Erode, 25<sup>th</sup> Sep, 2015

Participate in one day National Seminar on Building and management of e-resource: Issues and Challenges”, Organized by Learning Resource Centre, K S R Institute for Engineering and Technology, Tiruchengode held on 06.02.2015

Anita and Monisha, “Formulation and evaluation of Ashwagantha based cookies using RSM” at National level Technical Symposium on “ViverraWarna – 2016, Bannariamman institute of Technology, 14<sup>th</sup> to 15<sup>th</sup> March, 2016.

Anita, S. and Ramya, E. “Evaluation of gut microbiota in rats using *Spirulina maxima* (dried powder) as a prebiotic substrate to enhance the growth of probiotic bacteria” at National Seminar on Production and Applications of microbial products in diverse sectors, Selvam arts and science College, 6 -7th April, 2016.

Anita, S. and Ramya, E. “Evaluation of gut microbiota in Wistar rats using probiotic bacteria” at National conference on “Emerging Trends and application in Food Biotechnology”, JCT college of Engineering and Technology, Coimbatore, 24th March, 2016.

Participate in the DBT sponsored seminar on "Flavor and Fragrance Biotechnology: A step towards Bio economy and sustainable process"” conducted at Kongu Engineering College on 15.07.2016

Participate as Chief Guest in Food Festival function conducted by AMPLICOS Association, Department of Biotechnology, K.S.Rangasamy College of Arts and Science, Tiruchengode on 3<sup>rd</sup> Sep 2016.

Has delivered guest lecture on the topic “Nutritional Biochemistry” to Biochemistry students at K.S.Rangasamy College Arts and Science, Tiruchengode on 21.09.2017.

Has attended international conference on World Food India, New Delhi on 2<sup>th</sup> to 6<sup>th</sup> Nov 2017.

Has delivered guest lecture on the topic “Formulation of Biocontrol agents” at Vivekananda Engineering College, Tiruchengode on 14.02.2018.

Has delivered guest lecture on the topic “Value added products from Mushroom” to students at K.S.Rangasamy College Technology, Tiruchengode through Entrepreneur development cell on 14.02.2018.

Has delivered guest lecture on the topic “Food wastage” to CARE club students, Department of Biotechnology, K.S.Rangasamy College Technology, Tiruchengode through Entrepreneur development cell on 06.03.2018.

Has attended workshop on Food protection at Kongu Engineering College on 26.03.2018

Has delivered guest lecture on the topic “Nutritional Biochemistry” to Biochemistry students at K.S.Rangasamy College Arts and Science, Tiruchengode on 18.08.2018.


**Training attended:**

- 1) Hands on Training in Molecular Biology and Bioprocess technology at KSR College of technology
- 2) Training in Entrepreneurship development programme to Biotechnology Graduates, Department of Biotechnology, and K.S.R College of technology.
- 3) Ten days training in Development of Pickles at cottage scale level at Tamilnadu Agriculture University, Coimbatore.
- 4) Workshop on Molecular techniques for identification of biocontrol agents conducted at Department of Plant Science, Bharathidasan University, Tiruchirappalli, 2010.
- 5) Short term training programme on Food product development conducted by SRM University, Kattankulathur, held on 25 and 26<sup>th</sup> of September, 2015.
- 6) Participate in the short term Bee keeping training conducted by State Bee Keeping Extension centre, Khadi and Village Industries commission, Ministry of MSME Government of India, Programme was conducted at Department of Biotechnology, K.S.Rangasamy College of Technology on 24.02.2016 to 28.02.2016
- 7) Participated 21 days Faculty development Programme on Food safety and Quality control from farm to Folk management from 01.11.2017 to 21.11.2017 at Department of Microbial Technology, Tamilnadu Agriculture University, Coimbatore.
- 8) Participated and successfully completed four days training course on Laboratory Management System as per ISO/IEC 117025:2017 and internal auditing accredited by National Accreditation board of Education and Training (NABET) – National Board for quality promotion.

**Declaration**

I hereby declare that the above mentioned information's are true to the best of my knowledge

Place: Namakkal



Signature