

**ACHARYA NAGARJUNA UNIVERSITY**  
**DEPARTMENT OF FOODS AND NUTRITIONAL SCIENCES**

**Dr. B.Babitha,Ph.D.,**  
Associate Professor,  
**Dept. of Food and Nutritional Sciences**  
**NAGARJUNA NAGAR –522 510.**



**Phone - (O) 0863-2346352**  
**Mobile: 9441572881**

Email: babithabobba1974@gmail.com



**Education Qualifications:**

Degree(S)	Subject	Year of Passing	Percentageof Marks obtained	Division/Class	Name of the University
S.S.C.		March 1989	52.2	II	Board of Secondary Education
Intermediate	Bi. P.C	April 1991	63.3	I	Board of Intermediate Education
Graduation	Home Science	April 1994	65	I	S.V.University TIRUPATI
Post Graduation	Home Science (Food Science and Nutrition)	June 1996	62	I	S.V.University TIRUPATI
Other examination if any	Diploma in Hospital administration	November 2000	66	I	All India institute of career studies, Chennai

**Research Degree(s):**

Degree	Title	Date of Award	University/Institution
Ph.D.	Nutritional Profile Of Chronic Energy Deficient And Obese Women	13-9-2005	S.V.University Tirupati

**Research Interest:** Diet and degenerative diseases in children and adults, Food safety, Food processing and food analysis

## **PUBLICATIONS:**

### **National:**

1. **Babitha, B.** (2003) Nutritional status of adolescent girls and impact of short term food supplementation with special reference to vitamin A and haemoglobin. *Journal of community guidance and research*. 20(2):121-131
2. Prasanna Kumar, K. **Babitha, B.** and Srinivas, N. (2009) Design of HACCP plan in Basundi making process. *J. Nat. Sci.* 1 (1), 64-68
3. Jalaja kumari, D. Sri hari krishna, B. **Babitha, B.** Anjaneyulu, G.V.S.R., Kiranmayi, P. and Peramma, D. (2008) Prevalence and nutritional profile of obese adolescent girls (13-18 years) of guntur city. *J. Curr. Sci.* 14 (1): 283-289.
4. Jalaja kumari, B. **Babitha, B.** Anjaneyulu, G.V.S.R., (2009). Nutritional status and dietary pattern of rural and urban women in Guntur. *J. Nat. Sci.* 2:85-93.
5. **Babitha, B.** and Kusuma, D.L. (2009) Chronic energy deficiency and obesity among rural women-relation between BMI and select body composition parameters. *Ind. J. Nutr. Dietet.* 46 (9): 386-392.
6. **Babitha, B.** Kiranmayi, P. and Aruna. (2010). Effect of temperature on physicochemical and ripening qualities of banana (*Musa paradisiaca*). *Ind. J. Nutr. Dietet.* 47(1): 25-29

### **International**

1. **Babitha, B.** Kiranmayi, P. and Syamala, T. (2009) Study on antibacterial and preservative activities of essential oils extracted from cinnamon and clove. *Adv.Pharmacol.Toxicol.* 10(3): 65-68.
2. **Babitha, B** and Kiranmayi, P. (2009). Nutritional and lipid Profile of chronic energy deficient and obese rural women in Andhra Pradesh. *The Bioscan.* 4(4): 581-585.
3. Kiranmayi,P, **Babitha, B.** and Suvarnarekha. P. (2010) Effect of storage methods on physicochemical properties of tomatoes (*lycopersicon esculentum*). *Asian Jour.Microbiol.Biotech.Env.sc.* 12 (4):719-722.
4. **Babitha, B** and Kiranmayi, P. (2010). Effect of storage conditions on the post harvest quality of tomato (*Lycopersicon esculentum*). *Research Journal of Agricultural Sciences.* 1(4): 409-411.
5. Kiranmayi, P and **Babitha, B.** (2010). Effect of high temperature on spectral properties of phycobilisomes of *Synechococcus* 6301 under *in vitro* conditions. *Int. J. Pharmacol. Biol. Sci.* 4(1): 103-106.
6. Kiranmayi, P and **Babitha, B.** (2011). Effect of *Moringa oleifera* leaf powder on blood glucose levels in Type II Diabetes Mellitus. *VEGETOS.* 24(2): 114-116.

7. Jalaja kumari, D, **Babitha, B.** Jaffer, SK. Guru Prasad, M. Ibrahim, MD and Siddque khan, MD. (2011). Potential health benefits of spirulina platensis. *PHARMANEST*. 2(2-3): 1-6.
8. Harika, V. **Babitha, B.** and Manmohan, Ch. (2012). The role of physical activity and exercise pattern in type 2 diabetes. *The Experiment*. 2(1) 2012: 55-64.
9. Harika, V. Jalaja Kumari, D. Babitha, B. and Manmohan, Ch. (2012). A study on prevalence of micro and macro vascular complications in type 2 diabetes and their risk factors. *International journal of science inventions today*. 1(1) 42-52
10. **B. Babitha** and V. Chinnari Harika. (2014). "A Study on Home – Based Rehabilitation of Severely Malnourished Children". *The Experiment International Journal of Science and Technology*. 23 (1): 1570-1576.
11. Udaya lakshmi, K and **Babitha, B.** (2014). Dietary intake and nutritional status of women in rural Guntur District". *Biolife ( An International quarterly journal of biology and life sciences)*. 2(4): 1120-1124.
12. J. Hemamalini , **Dr. B. Babitha** , B Lalitha Kumari. Nutritional Status of Rural Obese School going Children (11 - 15 Yrs) in Guntur District. *International Journal of Science and Research*. 4(12):2316-2320.
13. **B Babitha** and N Durga Priyamvada. (2016). Effect of flax seed and barley supplementation on hyperlipidemic patients. *International Journal of Home Science*. 2(2): 204-207.
14. J. Hemamalini and **Dr. B. Babitha**. (2016). Effectiveness of Dietary Habits in Women Cancer Patients. *International Journal of Home Science*; 2(3): 156-158.
15. G.Siva Teja and **Dr.B.Babitha**. (2016). Determination of effect of caffeine consumption on sleep quality using Pittsburgh Sleep Quality Index. *International Journal of Home Science*; 2(3):404-405.
16. V.Swathi, G. Gladvin and **Dr.B.Babitha**. (2017). Physico-chemical characteristics and applications of edible films for fruit preservation. *International Research Journal of Engineering and Technology*; 4(2): 1954-1958. ISSN 2395-0072.
17. **B. Babitha** and B. G. Siva Teja Impact of food supplement on the nutritional status of tuberculosis patients. 5(4):55-59. Oct-Dec 2018. ISSN 2394- 7780
18. **B. Babitha** and B. Vyshnavi. (2018). Impact of supplementation of moringa olifera and emblica officinalis powder on atherosclerosis patients. *IP Journal of Nutrition, Metabolism and Health Science*. oct- dec 2018; 1(3):43-46. 2582-6301
19. Bramaramba Muddana and **B. Babitha (Nov-Dec 2019)**. Association between obesity and chronic kidney disease. *Iosr journal of nursing and health science*. 8(6): 15-24. E-ISSN: 2320-1959, p-2320-1940
20. Muddana Bramaramba and **B. Babitha (2020)**. Association of body mass index and estimated glomerular filtration rate in adults with early chronic kidney disease. *Journal of food, agriculture and environment*. 18(2):32-41. Online ISSN 1459-0263.
21. K Hemamalini, **B Babitha**, B Lalitha Kumari (2020). Qualitative assessment of food habits and nutrient intake of adolescents in two different states in South India. *High Technology Letters Journal*. 26(11): 706-717.
22. Hemamalini, K. **Babitha, B.** Lalitha Kumari, B (2021). Role of preliminary data collection for nutritional education of adolescents (13-15yrs) in two different regions of South India. *Current Trends in Biotechnology and Pharmacy*. 15(2): 198-212.

23. Siva Teja Gadepalli, **Babitha Bobba and** Naga Himakund Mallampalli (2021). Comparison of fat fractions and nutrients in bovine milk from 2 different geographical regions in South India. *High Technology Letters Journal*. 27(7): 116-124.
24. Swathi Veerla and **Dr. B. Babitha**. Molecular cloning, expression and characterization of serratiopeptidase from *serratia species* isolated from soil samples. *High Technology Letters Journal*, 27(9): 928-941
25. Swathi Veerla and **Dr. Babitha Bobba (2022)**. Screening, isolation and characterization of *serratia species* a potential source of serratiopeptidase enzyme from soil samples. *Dickensian journal*. 22(3): 240-252

#### **Memberships:**

- Reviewer for two scientific journals i.e. IP Journal of Nutrition, Metabolism and Health Science and American journal of health research.
- Life member “Nutrition Society of India”.

#### **List of Ph.D. and M. Phil awarded:**

S.No.	Title of Dissertation Ph.D	Name of the Candidate	Date/ Year
1	Studies on the anti-diabetic activity of aqueous cell extract of the cyan bacterium spirulina platensis in streptozotocin induced type II diabetes in rats”	D. Jalaja Kumari	06/08/2012
2.	An Experimental study on the effect of herbal supplementation capsules on selected obese noninsulin dependent diabetes mellitus (NIDDM) Patients”.	V. Chinnari Harika	26/05/2014
3.	Comparative Study on Nutritional Status and Impact of Nutrition Education on Academic Performance, Food Habits and Emotional Maturity of Adolescents (13-15 Yrs) in Two Different Cities of South India.	Jalli. Hema Malini	25/07/2019
	<b><u>M. Phil</u></b>		
1.	Study on Association between Body Mass Index and Estimated Glomerular Filtration Rate in Adults with Early Chronic Kidney Disease.	Bramaramba Muddana	02/05/2019

#### **Publication of Books:**

1. **Babitha, B** and Kusuma, DL. (2010). Nutritional correlates of Body Mass Index. Discovery Publishing House PVT. LTD., Darya Ganj, Delhi. ISSN No. 978-818356-603-2

2. Dr. D. jalaja Kumari, **Dr. B. babitha** and Dr. B. Sri Hari Krishna. (2014). “Aqueous extract of arthrospira platensis in STZ induced DM2 in rats”. Scholar’s press. Germany.

#### **Chapters/Articles in Books**

1. **Dr. B. Babitha** , V. Chinnari Harika, Ch. Manjula and D. Jalaja Kumari. (2013). Experimental foods. M. Sc. FNS Distance mode, ANU, Donbosco technical press. Guntur, A.P
2. **Dr. B. Babitha**, P. Kiranmayi. (2013). Experimental foods & food analysis. Practical II M. Sc. FNS Distance mode, ANU. Donbosco technical press. Guntur, A.P

#### **Seminars and workshops organized :**

1. Organized one day Workshop on “World food security and challenges of climate change and bio-energy” on 16<sup>th</sup> October 2008 on the eve of World Food Day. Dept. of FNS, ANU.
2. Organizing secretary in National seminar on “Nutritional challenges for psychosomatic stressed women” from 4<sup>th</sup> to 5<sup>th</sup> Feb, 2015, ANU. Dept. of FNS, ANU.

#### **Seminars and conferences:**

1. Presented a Paper on “prevalence of obesity in rural women” in the 4<sup>th</sup> International Congress on Cardiovascular Disease (ICCD 2006) and XI World Congress on Clinical Nutrition (WCCN2006) on 17<sup>th</sup> November 2006 organized by International College of Cardiology and World College of Nutrition at Mumbai.
2. Presented a Paper on “Effect of Nutritional parameters on BMI” in the 4<sup>th</sup> International Congress on Cardiovascular Disease (ICCD 2006) and XI World Congress on Clinical Nutrition (WCCN2006) on 19<sup>th</sup> November, 2006, organized by International College of Cardiology and World College of Nutrition at Mumbai.
3. National conference on “New initiatives for promoting health and nutrition well being” organized by Nutrition society of India, on 15<sup>th</sup> to 16<sup>th</sup> November 2007 at Hyderabad.
4. Regional seminar on “Nutrition support to HIV and AIDS” organized by Department of Home Science, SPMVV on 1<sup>st</sup> December, 2007, at Tirupathi.
5. National seminar on “The problems of nutrition: among rich and among poor” organized by Sarojini Naidu school of women studies on 29<sup>th</sup> and 1<sup>st</sup> march, 2008 at Hyderabad.
6. 6<sup>th</sup> Annual conference of all India association for advancing research in obesity Gandhi medical college 1<sup>st</sup> and 2<sup>nd</sup> March 2008 Hyderabad
7. Seminar on “Food grain processing – A strategic alternative to second revolution” 19<sup>th</sup> and 20<sup>th</sup> September 2008 Vijay Wada.
8. National conference on “Evidence Based Dietetics for a Healthy Nation” 5<sup>th</sup> and 6<sup>th</sup> December 2008 NIN, Hyderabad.
9. Presented a Paper on “ **Nutritional and lipid Profile of chronic energy deficient and obese rural women in Andhra Pradesh**” in the National seminar on “ mitigation of malnutrition among women and children – an appraisal of appropriate technologies” held on march 25<sup>th</sup> and 26<sup>th</sup>, 2010, organized by Department of Home Science, SVU at Tirupathi.
10. Presented a Paper on “**Obesity and Physical activity**” in National seminar on Obesity a global Epidemic strategy for prevention and management 7<sup>th</sup> & 8<sup>th</sup> Feb 2012 organized by Dept. of Home Science, J.M.J.College for women. Tenali, Guntur.

11. As chair person for the topic on “effect flavanoids on hyperlipidemia” National conference on “DIETCON” organized by IDA AP chapter held on 06-07<sup>th</sup> Sep 2013 at Vijayawada.
12. Presented a Paper on “**Effect of edible oils on the physico chemical properties and sensory qualities of onion puree**” in National seminar on “Trendy’s in biochemistry” organized by Department of biochemistry, ANU, GUNTUR
13. Presented a Paper on “**impact of dietary counselling on anaemic rural women**” in national seminar on “nutritional challenges for psychosomatic stressed women” organized by Department of Foods and nutritional sciences on 4 to5<sup>th</sup> February 2015, ANU, GUNTUR.
14. Presented a Paper on “Family meal time practices effects on household inhabitants” in international seminar on “Advances in home science studies” organized by Department of Home science on 20 to 21<sup>st</sup> February 2015, SPMVV, TIRUPATI.
15. International seminar on “Recent advances in emerging technologies and its impact on biological sciences ISRAETBS -2019” held during December 23-24<sup>th</sup>, 2019, organized by Dept. of biotechnology, Vikram Simhapuri University, Nellore, AP, India.
16. Dr. B. Babitha has participated in ICSI Teachers conference / Faculty development programme on “Empowering Educators” held on 11<sup>th</sup> September 2019 at Dept. of Commerce & business Administration, ANU, Guntur.
17. Dr. B. Babitha has participated on “IIKEBS -2020” workshop held on 24<sup>th</sup> to 25<sup>th</sup> January 2020 in the Dept. of Biochemistry at ANU, Guntur.
18. Presented a Paper on Effectiveness of Lifestyle Modification After Diagnosis of Diabetes in International Conference on Current Approaches in Nutraceuticals and Food Technology for Diabetes on Jan 24 -25<sup>th</sup> 2019, Organized by Dept. of Nutrition and Dietetics, school of life sciences, Periyar University, Salem, Tamilnadu.
19. Presented a Paper on Application of microbial enzymes in food industry in International seminar on “Recent advances in emerging technologies and its impact on biological sciences (ISRAETBS – 2019) on Dec 23-24, 2019, Organized by department of biotechnology, VSU, Nellore, AP, India.
20. Anti Diabetic Functions of Isothiocyanates of Brassicaceae Family in National Symposium on Recent Trends in the Treatment and Management of Diabetes from Bench to Clinic on Feb 09<sup>th</sup> 2019, Organized by Biochemistry, ANU, Guntur, AP.
21. Talk on Mana aarogyam-Mana aaharamlo in All India Radio, Vijayawada on Agu 26<sup>th</sup> 2019, In view of National Nutrition Month.
22. Lecture on **Nutrition Education on Anaemia** on Sep 14<sup>th</sup> 2019, In view of Celebration of National Nutrition Month, conducted by Dept. of Community Social Responsibility, Acharya Ngarjuna University Ujjwala Home, opp to ANU, Guntur.

Others, if any (Membership in Professional bodies, administrative experience etc.):

- BOS Member Board of Studies, Dept of FNS. ANU
- Chairperson, Board of Studies Vocational (PG) in Food Processing & Nutraceuticals, Hindu

college, Guntur

- Subject expert in BOS, B. Sc. Food Technology, SRR & CVR Govt. Degree College. Vijayawada.
- BOS member in M.Sc. Clinical Nutrition, Ch.S.D.St. Theresa's Autonomous College for Women, elur.
- Appointed as Subject expert of BOS for B. Sc. Food Technology, Government Degree College for Women.
- Appointed as Subject expert of BOS for B. Sc. Food Science Government Degree College for Women.

**(B. BABITHA)**