

CURRICULUM VITAE

Name : **Dr.G.SUDHA**

Désignation : Associate Professor & Head i/c

Official Address : Department of Biochemistry
Periyar University
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Educational qualification : M.Sc. (Bharathiar University)
M.Phil (Avinahilingam University for Women)
Ph.D (Avinahilingam University for Women)



Experience

Teaching

Designation	Name of the Institution	Duration		Years of experience
		From	To	
Assistant Professor	Kongunadu Arts & Science College	July 1996	June 2005	9 years
Associate Professor & HoD	Kongunadu Arts & Science College	July 2005	Jan 2013	7 years 7 months
Assistant Professor	Avinashilingam University for Women	Feb 2013	Aug 2013	5 months
Associate Professor	Periyar University	Aug 2013	Till date	2 months
				17 years 2 months

Research : 17 years 2 months

Research Interest : Antioxidants, Mushroom Research, Phytotherapeutics, Food Biochemistry, Clinical Biochemistry

Academic Profile

Research Publications : 15 Accepted 10
Papers presented in Conference/Symposium : 62
Conference/ Workshop attended : 32

Conferences/Workshops Organised: 6

Research guidance : Ph.D Awarded (4) Ongoing (4)
M.Phil Awarded (21) Ongoing (3)
M.Sc Projects : 85

Papers Published / Accepted

1. **G.Sudha**, M.Sangeetha Priya, R. Indushree and S.Vadivukkarasi, 2012. Comparative studies on the antioxidant activity of exotic ripe and unripe pepino fruit *Solanum muricatum*, Journal of Food Science, 77 (11):131-135 (**Impact Factor: 1.695**).
2. **G.Sudha**, S.Vadivukkarasi, R. Indushree and P.Lakshmanan, 2012. Antioxidant activities of various extracts from an edible mushroom *Pleurotus eous*. Food Science and Biotechnology, 21(3):661-668 (**Impact Factor: 0.595**).
3. Shwetha V Kalava and **G.Sudha**, 2012. Ameliorative effect of the aqueous extract of *Volvariella volvaceae* on gentamicin induced renal damage. International Journal of Pharma and Biosciences, 3:105-115.
4. Shwetha V Kalava and **G.Sudha**, 2012. *In vitro* free radical scavenging activity of aqueous extract from the mycelia of *Volvariella volvaceae* (Bulliard Ex Fries: Singer. International Journal of Current Pharmaceutical Research, 4(3): 94-100.
5. Smitha KR. and **Sudha G.** 2012. Evaluation of antioxidant activity of *Tetragonia tetragonoides*, *Cichorium intybus* and *Taraxacum officinale*. Journal of Advanced Biotechnology, 11(10):35-41.
6. **G.Sudha**, M.Sangeetha Priya, R.Indushree and S.Vadivukkarasi, 2011. *In vitro* free radical scavenging activity of raw pepino fruit (*Solanum muricatum* Aiton), International Journal of Current Pharmaceutical Research, 3(2):137-140.
7. S.Vadivukkarasi and **G.Sudha**, 2011. Antioxidant activity and nephroprotective effects of aqueous extract of *Pleurotus eous* (Berk.) Sacc.: (APK1) pink edible oyster mushroom, International Journal of Pharma and Biosciences, 2(3):92-103.
8. **G.Sudha**, M.Sangeetha Priya, R.Indushree and S.Vadivukkarasi, 2011. Antioxidant activity of ripe pepino fruit (*Solanum muricatum* Aiton), International Journal of Pharmacy and Pharmaceutical Sciences, 3(3): 257-261.
9. Meera KS, **G.Sudha**, Rajathi,K. and Manjusha GV. 2010. Antidiabetic effect of aqueous extract of *Hypsizygus ulmarius* on Streptozotocin-Nicotinamide induced diabetic rats, 1(2):151-157.
10. D.Shalini and **G.Sudha**, 2010. Antioxidant activity of various tea extracts (*Camellia sinensis*), Journal of Biosciences Research, 2010 1(4):271-278.
11. C.Guruvayoorappan and **G.Sudha**, 2008. Phytopharmacological evaluation of Byesukar for hypoglycaemic activity and its effect on lipid profile and hepatic enzymes of glucose metabolism in diabetic rats, Annals of Hepatology, 7: 358-363 (**Impact Factor: 1.10**).
12. C.Guruvayoorappan and **G.Sudha**, 2005. Antioxidant potential of Byesukar, a polyherbal formulation on alloxan induced oxidative stress in rats, Malayzian Journal of Biochemistry and Molecular Biology, 11: 31-35 (**Impact Factor: 0.125**).
13. C.Gruvayoorappan and **G.Sudha**, 2004. Innovation of genomic drugs through SDNA microarray technology. Bioinformatics India Journal, 2:1- 4.

14. **G.Sudha** and N.K. Murthy, 1992. Lipid profile, protein and gossypol content in glanded and glandless cotton seeds. Res.High. JADU, 2:151-154.
15. **G.Sudha** and S.Saroja, 1991. Studies on the effect of *R. solani* and *T. harzianum* on cotton. Res.High. JADU, 1: 238-244.

Accepted / Review

16. **G.Sudha**, S.Vadivukkarasi and P.Lakshmanan, 2013. Evaluation of antioxidant activities of various solvent extracts of *Pleurotus eous*. Arabian Journal of Chemistry, (accepted).
17. **G.Sudha**, N.Subashini and K.T.Parthiban, 2013. Comparative studies on the antioxidant potential of ethanolic extracts of *Melia dubia* and *Melia azadirach*, Industrial Crops and Products (accepted).
18. S.Jaisakthi, U.Devaki and **G.Sudha**, 2013. Total phenolic content and *in vitro* antioxidant activity of aqueous extract from the fruiting bodies of *Hypsizygus ulmarius*. Journal of Acute Medicine (accepted).
19. **G.Sudha**, S.Jaisakthi and S.Vadivukkarasi, 2013. A comparative study on the *in vitro* antioxidant potentials of three edible mushrooms: *Hypsizygus ulmarius*, *Pleurotus eous* and *Calocybe indica*, International Journal of Medicinal Mushrooms (accepted).
20. **G.Sudha**, M.Sangeetha Priya, R.Indushree and S.Vadivukkarasi, 2013. Antioxidant potential of aqueous extract of fruit *Eriobotrya japonica*. International Journal of Pharmacy and Pharmaceutical Sciences (accepted).
21. **G.Sudha**, M.Sangeetha Priya, R.Indushree and S.Vadivukkarasi, 2013. *In vitro* free radical scavenging activity and total phenolic content of sapota fruit (CO2 variety), International Journal of Current Pharmaceutical Research (accepted).
22. **G.Sudha**, A.Anjali and K.T.Parthiban, 2013. Comparative studies on the antioxidant potential of *Jatopha curcus* and *Jatopha multifida*. Industrial Crops and products (review).
23. **G.Sudha**, A.Anjali and K.T.Parthiban, 2013. *In vitro* antioxidant potential of unexploited fruit *Rhodomyrtus tomentosa*) Food Science and Human Wellness (accepted)
24. **G.Sudha** and S.Vadivukkarasi, 2013. Hepatoprotective potential of aqueous extract of *Pleurotus eous* against CCl₄ induced toxicity in rats, Experimental and Toxicologic Pathology (accepted).
25. **G.Sudha**, C.Jaba Pramila, J.E.Elcy Rani, V.R.Beena and R.Padmapriya, 2013. Free radical scavenging potential of aqueous extracts from the mycelium of milky mushroom *Calocybe indica*. Food Science and Biotechnology (accepted) (**Impact Factor: 0.595**).
26. **G.Sudha**, C.Saranya, S.Mathumitha and S.Jaisakthi, 2013. *In vitro* antioxidant activity of aqueous extract from the fruiting bodies of milky mushroom *Calocybe indica*. Journal of Pharmacy Research (accepted).

Awards

“Best Oral Presentation Award” awarded for the paper “Free radical scavenging potential of polysaccharide from pink oyster mushroom *Pleurotus eous*”, 3rd Indo-Korean Joint Seminar on Medicinal Plant Research (IKMPR-2010), Avinashilingam University for Women, Coimbatore, 23rd Feb, 2010.

“Best Department Award” for the year 2008, Kongunadu Arts and Science College, Coimbatore.

Professional Membership

Society of Biological Chemists (SBC), India - Life Member

Society of Biotechnologists (SBT), India - Life Member

Indian Science Congress Association (ISCA) - Life Member

Conference / Workshop organized

- Organising Secretary, Symposia on “Recent Developments in Biological Sciences”, 7-8th March 1996, Kongunadu Arts and Science College, Coimbatore (TNSCST sponsored).
- Scientific Programme Co-ordinator, National symposium on “Commercial Exploitation of Economically Important Medicinal Plants”, 24-25th Aug, 2000 Kongunadu Arts and Science College, Coimbatore (CSIR, TNSCST sponsored).
- Programme Coordinator, Workshop on “Latest Techniques in Molecular Biology and Immunology”, Kongunadu Arts and Science College, Coimbatore, 12-13th Dec, 2002.
- Organising Secretary, Symposia on “Nutraceuticals and the Future of Medical Sciences”, 22nd-23rd Feb 2007, Kongunadu Arts and Science College, Coimbatore (ICMR, CSIR, TNSCST sponsored).
- Convener, National Workshop on “Biostatistical Tools for Researchers” 10th -12th Jan, 2008, Kongunadu Arts and Science College, Coimbatore.
- Convener, International Conference on “Biomolecular analysis- Technical approach”, 17th Feb 2011, Kongunadu Arts and Science College, Coimbatore.

Research Projects accomplished

- JRF, 1990-93, Ministry of Environment and Forest, New Delhi, “Exploitation of microbial systems associated with forest tree species for the ecodevelopment”.
- RA, 1994-96, Tamil Nadu Forest Dept, “Interaction of pesticides and other compounds with VAM fungi”.

Minor Research Projects

- SPS - “Biochemical studies on the effect of *Rhizobium* and Sri Diamin (Amino acid blend) on green gram”, Tamil Nadu State Council for Science and Technology, Chennai, 1996.
- SPS - “Screening of promising oilseed trees of western ghats and biochemical characterization of oil borne seeds” by Tamil Nadu State Council for Science and Technology, Chennai, 2004.

Research Guidance

Ph.D Thesis

S.No	Year	Name of the student	Name of the University
1.	2008	T.Vinothkumar	Bharathiar University
2.	2009	G.Jayanthi	Bharathiar University
3.	2010	S.Vadivukkarasi	Bharathiar University
4.	2013	Shwetha V Kalava	Bharathiar University
5.	2013	U.Devaki	Bharathiar University (Synopsis submitted)

M.Phil Thesis

S.No	Year	Name of the student	Name of the University
1.	2002	A. Praveena	Bharathiar University
2.	2002	B.Gayathri	Bharathiar University
3.	2003	G.Vanitha	Bharathiar University
4.	2004	C.Guruvayoorappan	Bharathiar University
5.	2004	P.Leelavathi	Bharathiar University
6.	2004	P. Parameswari	Bharathiar University
7.	2004	A.P. Mohana	Bharathiar University
8.	2006	N.Kavithamani	Bharathiar University
9.	2007	D.Deepa	Bharathiar University
10.	2007	Siveen	Bharathiar University

11.	2007	Shameela Khadija	Bharathiar University
12.	2009	A.Sangeetha	Bharathiar University
13.	2009	S.Premalatha	Bharathiar University
14.	2011	C.Jaba Pramila	Bharathiar University
15.	2011	Beena VR	Bharathiar University
16.	2011	JE Elcy Rani	Bharathiar University
17.	2011	R.Padma Priya	Bharathiar University
18.	2012	M Yuvaraj	Bharathiar University
19.	2012	C Sharanya	Bharathiar University
20.	2012	S.Mathumitha	Bharathiar University
21 .	2013	J.Angu	Bharathiar University

Papers presented in Conferences/Symposium State Level

1. **G.Sudha** and S.Saroja. Studies on the effect of *R.solani* and *T.harzianum* on cotton, Seminar on Recent Developments in Microbiology, PSG College of Arts & Science, Coimbatore, 23-24th Feb, 1990.
2. **G.Sudha** and Nirmala K.Murthy. Lipid profile and other seed quality characteristics of some glandless cotton varieties, AICCIP Silver Jubilee Symposium at CCRI, Coimbatore, 1992.
3. **G.Sudha**, C.Punitha J.Mary Poornima, Jeseena George and K.Mridula. Biochemical studies on the effect of *Rhizobium* and Sri Diamin (Amino acid blend) on green gram, Sixth seminar cum exhibition on Student Projects Scheme sponsored by TNSCST, Karaikudi on 25th July, 1998.
4. **G.Sudha**, C.Punitha J.Mary Poornima, Jeseena George and K.Mridula. Effect of *Rhizobium* and Sri Diamin (Amino acid blend) application on nitrogen assimilatory enzymes in green gram, Seminar on Recent trends in Biochemistry, PSG College of Arts & Science, Coimbatore, 12-13th Feb, 1999.
5. Saumya P.Jacob, K.Mohamed Anwar and **G.Sudha**, Screening of promising oilseed trees of western ghats and biochemical characterization of oil borne seeds, Students Project Scheme, Seminar Cum Exhibition, TNSCST, American College, Madurai, 17th Sep, 2004.

National Level

6. **G.Sudha** and S.Saroja. Effect of *Azospirillum* inoculation on the nitrogen assimilatory enzymes of Finger millet (*Eleusine coracana*), National seminar on

Biotechnology for Rural and Industrial Development, Gulbarga University from 22-23th Dec, 1995.

7. **G.Sudha**, Nirmala K.Murthy and A.Pushpa. VAM infection studies on tree legumes, National Conference on Mycorrhizal Technology, University of Madras, 17-18th Mar, 1995.
8. **G.Sudha**, K.T.Parthiban and V.Jayalakshmi. Callogenesis and biochemical changes in callus cultures of *Acacia mangium*, National symposium on Commercial Exploitation of Economically Important Medicinal Plants, Kongunadu Arts & Science College, Coimbatore, 24-25th Aug, 2000.
9. **G.Sudha** and R.Rajini. Comparative study on the hepatoprotective effect of *Andrographis paniculata* and *Andrographis eichiodes* on carbon tetrachloride induced toxicity in rats, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore 12-13th Dec, 2002.
10. **G.Sudha** and Smitha V. Bhanu. Antioxidant properties of *Andrographis paniculata* and *Andrographis eichiodes* on carbon tetrachloride induced toxicity in rats, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
11. **G.Sudha**, Vyjayanthi, J.P. and G.Malathi. Hepatoprotective effect of *Taraxacum officinale* root extract against carbon tetrachloride intoxication in rats, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
12. **G.Sudha**, G.Malathi and Vyjayanthi, J.P. Radical scavenging activity of *Taraxacum officinale* root extract on carbon tetrachloride induced hepatotoxicity in rats, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
13. **G.Sudha**, B.Gayathri and A.Praveena. Antihepatotoxic activity of *Taraxacum officinale* against galactosamine induced hepatitis, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
14. **G.Sudha**, B.Gayathri and A.Praveena. Hepatoprotective effect of *Taraxacum officinale* on tissue antioxidant defence system in galactosamine induced hepatitis in rats, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
15. **G.Sudha**, A.Praveena and B.Gayathri. Studies on the preventive and curative effects of Karisalai Karpam a herbal formulation against galactosamine induced hepatitis, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
16. **G.Sudha**, A.Praveena and B.Gayathri. Effect of Karisalai Karpam a herbal formulation on antioxidant enzymes and lipid peroxidation levels in galactosamine induced hepatitis, National Seminar on Current Trends in Biological Sciences, Avinashilingam Deemed University, Coimbatore, 12-13th Dec, 2002.
17. G.Vanitha and **Sudha, G.** Effect of *Solamun muricatum* on the urinary marker enzymes in gentamicin induced nephrotoxicity, National symposium on Recent trends in Applied Biology, Avinashilingam Deemed University, Coimbatore, 28-29th Jan, 2004.

18. **G.Sudha**, K.V.Anubhama, J.Immanuel Johnson and K.R.Smitha, Comparative study of grape varieties for enzymic and non-enzymic antioxidants, UGC sponsored National Symposium on Rural and Ethanomedicinal Plant Remedies – Conservation and Utilization, Kongunadu Arts & Science College, Coimbatore, 23rd-25th Sep, 2004.
19. P.Leelavathi and **G.Sudha**. Nephroprotective role of kidney Re-live in experimental cisplatin induced nephrotoxicity, UGC sponsored National Symposium on rural and Ethanomedicinal Plant Remedies – Conservation and Utilization, Kongunadu Arts and Science College, Coimbatore, 23rd-25th Sep, 2004.
20. P.Leelavathi and **G.Sudha**. Nephroprotective role of kidney Re-live, a herbal formulation on antioxidant status in cisplatin induced nephrotoxicity in rats, National Symposium on Modern Biological Sciences, SNMV College of Arts & Science, Coimbatore, 8-9th Oct, 2004.
21. C.Guruvayoorappan and **G.Sudha**. Effect of Byesukar, a poly herbal drug on blood glucose and enzymes of glucose metabolism in alloxan-induced diabetic rats, National Symposium on Modern Biological Sciences, SNMV College of Arts & Science, Coimbatore, 8-9th Oct, 2004.
22. **G.Sudha**, K.V.Anubhama, J.Immanuel Johnson and K.R.Smitha, Potential of unexploited and commonly consumed green leafy vegetables for their antioxidant capacity, National Symposium on Modern Biological Sciences, SNMV College of Arts & Science, Coimbatore, 8-9th Oct, 2004.
23. G.Vanitha and **G.Sudha**, Antioxidant role of *Solamun muricatum* in gentamicin induced nephrotoxicity in rats, National level seminar on Current trends in Biosciences, Navarasam Arts & Science College, Erode, 28-29th Nov, 2004.
24. **G.Sudha** and A.Nishadh, Antioxidant potential of *Turbinaria conoides* and *Turbinaria ornata* on reactive oxygen species scavenging and lipid peroxidation inhibition, National symposium on Recent Trends in Biochemistry, Tamil Nadu Agricultural University, Coimbatore, 17th Sep, 2005 (**Best paper award**).
25. **G.Sudha**, S.Sreerekha and N.Kavithamani, Antioxidant activity and nutritional composition of selected red seaweeds, National symposium on Recent trends in Nutritional Sciences, Avinashilingam Deemed University, Coimbatore, 16-17th Mar, 2006.
26. **G.Sudha** and N.Kavithamani, Effect of *Simarouba* oil on the lipid profile and enzyme levels in serum, liver, kidney and heart tissues of rats, National symposium on Recent trends in Nutritional Sciences, Avinashilingam Deemed University, Coimbatore, 16-17th Mar, 2006.
27. **G.Sudha** and P.Leelavathi, Nephroprotective and antioxidant role of Kidney Re-live a herbal formulation on cisplatin induced nephrotoxicity in rats, First National Conference on Rational use of animals in research, National Institute of Nutrition, Hyderabad, 1st-2nd Nov, 2006.
28. D.Deepa and **G.Sudha**, Studies on the antioxidant activities of different tea clones through various *in vitro* model systems, National Conference on Nutraceuticals and the future of Medical Science, Kongunadu Arts and Science College, Coimbatore, 22nd -23rd Feb, 2007.
29. Lina Anil and **G.Sudha**, Exploitation of antioxidant potential of *Volvariella volvaceae*, National Conference on Nutraceuticals and the future of Medical

Science, Kongunadu Arts and Science College, Coimbatore, 22nd -23rd Feb, 2007
(**Best paper award**).

30. K.Sreeram and **G.Sudha**, Antioxidant phytochemicals in different varieties of *Alstomeria* flowers, National Conference on National Conference on Nutraceuticals and the future of Medical Science, Kongunadu Arts and Science College, Coimbatore, 22nd-23rd Feb, 2007.
31. S.Premalatha and **G.Sudha**, Comparative studies of sapota varieties for enzymic antioxidants, National Conference on Nutraceuticals and the future of Medical Science, Kongunadu Arts and Science College, Coimbatore, 22nd -23rd Feb, 2007.
32. K.Siveen, **G.Sudha** and Shameela Khadeeja, Effect of R07 B, a polyherbal formulation on serum glucose and glucose metabolizing enzymes in streptozotocin induced diabetic rats, National Conference on Diabetes mellitus and Cancer. Annamalai University, Chidambaram, 15–16th Dec, 2007.
33. **G.Sudha**, A.Sangeetha and S.Premalatha, Screening of antioxidant activity in sapota fruits, National seminar in Thrust Research areas in Modern Biosciences , PSG College of Arts and Science, Coimbatore, 24-25th Jan, 2008.
34. **G.Sudha**, A.Sangeetha and K.Deepika, Free radical scavenging activities of pepper cultivars, National Conference on Thrust area in Biotechnology, Kongunadu Arts and Science College, Coimbatore, 27-28th Jan, 2008.
35. **G.Sudha**, D.Deepa, S.Vadivukkarasi, A.Sangeetha and R.Indusree, Free radical scavenging capacity of two extracts from *Lentinus edodes*, UGC sponsored National Symposium on Sustainable utilization and conservation of medicinal plants, Nirmala College for Women, Coimbatore, 21st-22nd Aug, 2008.
36. **G.Sudha**, A.Sangeetha, S.Vadivukkarasi, D.Deepa and M.Sangeetha Priya , Evaluation of bioactive compounds and antioxidant capacity in ripe and unripe *Solanum muricatum* (Pepino fruit), UGC sponsored National Symposium on Sustainable utilization and conservation of medicinal plants, Nirmala College for Women, Coimbatore, 21st-22nd Aug, 2008.
37. **G.Sudha**, S.Vadivukkarasi, D.Deepa A.Sangeetha and R.Indusree, Phytochemicals and antioxidant potential of ethanolic and aqueous extracts from *Pleurotus eous*, UGC sponsored National Symposium on Sustainable utilization and conservation of medicinal plants, Nirmala College for Women, Coimbatore, 21st-22nd Aug, 2008.
38. **G.Sudha**, S.Vadivukkarasi, D.Deepa, A.Sangeetha and K.Mallika, Studies on the antioxidant activities of Broccoli, *Brassica oleracea* Var, Italica., National Seminar on Biodiversity- Status, conservation and management, Coimbatore, 12-13th Sep, 2008.
39. **G.Sudha**, S.Vadivukkarasi, D.Deepa, A.Sangeetha and N.Subhashini, Studies on the antioxidants and free radical scavenging capacity of ethanolic and aqueous extracts of *Azadirachta indica*, National Seminar on Biodiversity- Status, conservation and management, Coimbatore, 12-13th Sep, 2008.
40. **G.Sudha**, S.Vadivukkarasi, D.Deepa, A.Sangeetha and J.Helen Sofia, *In vitro* antioxidant activity of Chinese cabbage *Brassica rapa.*, *Azadirachta indica*, National Seminar on Biodiversity- Status, conservation and management, Coimbatore, 12-13th Sep, 2008.

41. **G.Sudha**, S.Vadivukkarasi, D.Deepa and R.Indushree, Antioxidant activities of ethanolic and water extracts of *Agaricus bisporus* - National Conference on Medicinal and Aromatic Plants for Public Health, Karunya University, Coimbatore, 18-19th Sep, 2008.
42. **G.Sudha**, S.Vadivukkarasi, D.Deepa and N.Subhashini, Antioxidant and free radical scavenging capacity of ethanolic and aqueous extracts of *Melia dubia* - National Conference on Medicinal and Aromatic Plants for Public Health, Karunya University, Coimbatore, 18-19th Sep, 2008.
43. **G.Sudha**, S.Vadivukkarasi, D.Deepa, A.Sangeetha and R.Indusree, Bioactive compounds and antioxidant potential of various solvent extracts of *Pleurotus eous*, National Seminar on Advances in Plant Pathology for Sustainable Agriculture, Tamil Nadu Agricultural University, Coimbatore, 24-25th Nov, 2008.
44. **G.Sudha**, A.Sangeetha, D.Deepa and S.Vadivukkarasi, *In vitro* antioxidant activity of *Calocybe indica* and its protective effect on antioxidant status in major organs of aged rats - National Seminar on Advances in Plant Pathology for Sustainable Agriculture, Tamil Nadu Agricultural University, Coimbatore, 24-25th Nov, 2008.
45. **G.Sudha**, A.Sangeetha, D.Deepa and S.Vadivukkarasi, Comparative studies of phytochemicals and free-radical scavenging capacity of milky mushroom *Calocybe indica* : individual cap and stipe activity, National Seminar on Advances in Plant Pathology for Sustainable Agriculture, Tamil Nadu Agricultural University, Coimbatore, 24-25th Nov, 2008.
46. **G.Sudha**, S.Vadivukkarasi, D.Deepa and A.Sangeetha, Bioactive compounds and antioxidant potential of *Lentinus edodes* from South India, National Seminar on Recent trends in the conservation and utilization of under utilized wild edible plants (CUWEP 2009), Bharathiar University, Coimbatore, 20th-21st Mar, 2009.
47. **G.Sudha**, S.Vadivukkarasi and J.H.Geethavani, Antioxidant activity of acetone and chloroform extracts of *Pleurotus eous* (APK1),-National Conference on Herbal medicine, Bharathiar University, Coimbatore, 6-7th Sep, 2010.
48. **G.Sudha**, U.Devaki, Shwetha V Kalava and Joyce Mathew, Cardioprotective effect of *Hypsizygus ulmarius*, an edible mushroom on isoproterenol induced myocardial infarction in rats. National Conference on Natural Product Research: For Health and Biopharma Industry, Kumaraguru College of Technology, Coimbatore, 25-26th Mar, 2011.

International Level

49. **G.Sudha**, P.Vijayasamundeeswari and Nirmala K.Murthy, International Conference on Biotechnology in Agriculture and Forestry, Indian Agriculture Research Institute, New Delhi, 1994.
50. **G.Sudha** and S.Saroja. Effect of *Azospirillum* inoculation on the nitrogen assimilatory enzymes of Sorghum (*Sorghum bicolor*), 65th Annual meeting of SBC (I), IISc Bangalore, 20th-23rd Nov, 1996.
51. S.Saroja and **G.Sudha**. Enzymes of ureide biogenesis in Sorghum (*Sorghum bicolor*) on application of *Azospirillum* , 65th Annual meeting of SBC (I), IISc, Bangalore, 20th-23rd Nov, 1996.
52. C.Guruvayoorappan and **G.Sudha**. Effect of Byesukar, a herbal formulation on antioxidant status in alloxan-induced diabetic rats, Indo-Australian conference on

Biotechnology in Medicine, Indian Institute of Science, Bangalore, 9-10th Feb, 2004.

53. **G.Sudha** and A.Nishadh, Antioxidant potential of brown seaweeds, International Conference on Globalization of Traditional, Complementary and Alternative Systems of Medicine, Tamil Nadu Agricultural University, Coimbatore, 16-18th Mar, 2006.
54. **G.Sudha**, G.Vanitha and N.Selvaraj, Nephroprotective and antioxidant role *Solamun muricatum* in gentamicin induced nephrotoxicity in rats, International Conference on Globalization of Traditional, Complementary and Alternative Systems of medicine, Tamil Nadu Agricultural University, Coimbatore, 16-18th Mar, 2006.
55. **G.Sudha** and C.Guruvayoorappan, Effect of Byesukar, a poly herbal formulation regulates carbohydrate, lipid metabolism and enhancement of antioxidant status in alloxan-induced diabetic rats, International Conference on Globalization of Traditional, Complementary and Alternative Systems of medicine held at Tamil Nadu Agricultural University, Coimbatore, 16-18th Mar, 2006.
56. **G.Sudha** and A.Sabitha, *In vitro* antioxidant scavenging activity and hepatoprotective effect of *Hypsizygus ulmarius* on carbon tetrachloride induced hepatic oxidative damage in rats, An international Conference on herbs and herbo mineral formulations, Sastra University, Thanjavur, 6-7th Feb, 2010.
57. **G.Sudha** and S.Vadivukkarasi, Free radical scavenging potential of polysaccharide from pink oyster mushroom *Pleurotus eous*, 3rd Indo-Korean Joint Seminar on Medicinal Plant Research (IKMPR-2010), Avinashilingam University for Women, Coimbatore, 23rd Feb, 2010 (**Best paper award**).
58. **G.Sudha** and S.Vadivukkarasi. *In vitro* free radical scavenging activities and protective effect of aqueous extract of oyster mushroom *Pleurotus eous* on antioxidants and lipid peroxidation in aged rats. International conference on Bioresource Technology – its applications and achievements, Nirmala College for Women, Coimbatore, 7^h-8th Oct, 2010.
59. Shwetha V. Kalava and **G.Sudha**, Antihyperglycemic efficacy of the aqueous extract of *Volvariella volvacea* (Bull.:Fr) Singer against streptozotocin and nicotinamide induced diabetes in rats. International Conference on Bioresource Technology – its applications and achievements, Nirmala College for Women, Coimbatore, 7-8th Oct, 2010.
60. C.Jaba Pramila, J.E.Elcy Rani, P.Geetha, **G.Sudha**, S.Jayasakthi, *Agaricus bisporus* polysaccharides alleviates cognitive impairment, mitochondrial dysfunction and oxidative stress induced by D-galactose in mice. International symposium on Innovations in Free Radical Research and Experimental Therapeutics, Karunya University, Coimbatore, 7-9th Dec, 2011.
61. V.R.Beena, R.Padmapriya, S.Jaisakthi, **G.Sudha**, P.Geetha, Protective effect of *Calocybe indica* mycelial polysaccharides against acute ethanol induced hepatotoxicity in rats. International symposium on Innovations in Free Radical Research and Experimental Therapeutics, Karunya University, Coimbatore, 7-9th Dec, 2011.
62. N.Bargava, C.Sharanya, A.Divya and **G.Sudha**, Protective effect of aqueous extract of *Hypsizygus ulmarius* against *tert*-Butyl hydroperoxide induced acute hepatic damage in rats. International symposium on Innovations in Free Radical

Research and Experimental Therapeutics, Karunya University, Coimbatore, 7-9th Dec, 2011.

Participation in Symposium/Conference/Workshops

1. Symposium on "Recent Developments in Microbiology, PSG College of Arts and Science, Coimbatore, 23rd-24th Feb, 1990.
2. X All India Symposium on Reproductive Biology and Comparative Endocrinology, Avinashilingam Deemed University, Coimbatore, 12-13th, 1992.
3. Symposium on "Recent Developments in Life Sciences", Avinashilingam Deemed University, Coimbatore, 25th Sep, 1993.
4. National Symposium and Workshop on "Recent Trends in Plant Biotechnology," Pachaiyappas College, Chennai, 27-29th Sep, 1997.
5. Symposium on "Recent Trends in Immunology", Avinashilingam Deemed University, Coimbatore, 28-29th Jan, 1998.
6. Symposium on "Recent Developments in Biological Sciences ", Kongunadu Arts and Science College, Coimbatore, 7-8th Mar, 1998.
7. Symposium on "Recent Trends in Biochemistry", PSG College of Arts and Science, Coimbatore, 12-13th Feb, 1999.
8. Symposium on "Biotechnology for 21st century – Challenges and Realities in Tissue Culture, Kongunadu Arts and Science College, Coimbatore, 20th Mar, 1999.
9. Symposium on "Bioinformatics", Avinashilingam Deemed University, Coimbatore, 17th Dec, 1999.
10. National symposium on Medical, Plant and Industrial Biotechnology, Cochin University of science and Technology, Cochin, 1-2nd Dec, 2000.
11. National symposium on Commercial Exploitation of Economically Important Medicinal Plants, Kongunadu Arts & Science College, Coimbatore, 24-25th Aug, 2000.
12. Symposium on Trangenesis, Avinashilingam Deemed University, Coimbatore, 12th Feb, 2001.
13. National Conference on "Tree borne oil seeds as a source of Energy for Decentralized Planning, PSG College of Technology, Coimbatore, 28-29th Oct, 2003.
14. National symposium on Recent trends in Applied Biology, Avinashilingam Deemed University, Coimbatore, 28-29th Jan, 2004.
15. National Seminar on Medicinal plants Research – An industry Oriented Perspective, Dr.G.R.D College of Science, Coimbatore, 21st – 22nd June, 2005.
16. National Level Conference on Vermitechnology transfer to NSS Programme Officers, Kongunadu Arts and Science College, Coimbatore, 22nd-23rd Aug 2005.
17. International Conference on Globalization of Traditional, Complementary and Alternative Systems of medicine, Tamil Nadu Agricultural University, Coimbatore from 16-18th Mar, 2006.

18. First National Conference on Rational use of animals in Research, National Institute of Nutrition, Hyderabad, 1-2nd Nov, 2006.
19. National Conference on Nutraceuticals and the future of Medical Science, Kongunadu Arts and Science College, Coimbatore, 22nd -23rd Feb, 2007.
20. State Level Seminar on "Role of student community in environmental management", Kongunadu Arts and Science College, Coimbatore, 6th Mar, 2007.
21. National Level Seminar on "Issues and Challenges in Higher Education", Kongunadu Arts and Science College, Coimbatore, 7-8th Mar, 2007.
22. International Symposium on "Public Health and Diseases", Avinashilingam University, Coimbatore, 20th Mar, 2008.
23. International Seminar on 'Research Methodology and Data Interpretation' Avinashilingam University for Women, Coimbatore, 28th Jan 2010.
24. International Conference on "Biomolecular analysis- Technical approach", Kongunadu Arts and Science College, Coimbatore, 17th Feb, 2011.
25. National level Seminar on "Bio-safety Management and Good Laboratory Practices", Kongunadu Arts and Science College, Coimbatore, 4th Feb, 2012.
26. International Symposium on Free radical Damage and Herbal Antioxidants in Health and Disease, Avinashilingam University for Women, Coimbatore, 4th-5th Feb 2013.

Workshop

27. UGC sponsored workshop on "Curricular Developments in Laboratory Techniques in Biochemistry, PSG Arts & Science College, Coimbatore. 17-18th Mar, 2000.
28. Workshop on "Latest Techniques in Molecular Biology and Immunology", Kongunadu Arts and Science College, Coimbatore, 12-13th Dec, 2002.
29. Workshop on "Curriculum Development and evaluation Techniques", Bharathiar University, Coimbatore, 22nd-24th Sep, 2005.
30. Faculty Development Programme (FDP 2012), Kongunadu Arts and Science College, Coimbatore, 11th Aug, 2012.
31. National Workshop on "How to use A-VIEW", Avinashilingam University, Coimbatore, 20th Mar, 2013.

Training Programme

32. Training program on "Biofuels" held at Forest College and Research Institute, Tamil Nadu Agricultural University, Mettupalayam, Coimbatore, 12th Mar, 2012.

Orientation Programme

33. Orientation programme at Academic Staff College, Bharathiar University, Mettupalayam, Coimbatore, 18th Nov-15th Dec, 1998.

Academic and Administrative Experience

- Head, PG and Research Department of Biochemistry, 2004-2012.
- Chairman, BOS, PG Biochemistry, KASC, 2004-2010.
- Coordinator, Career-Oriented Programme (COP) in Medical Laboratory Technology, UGC, 2005-2010.
- Coordinator, Advanced Learners Course (ALC), KASC, 2004-2010.
- Coordinator for Job Oriented Course (JOC), KASC, 2004-2010.
- Member of the Academic Council, KASC, 2004-2010.
- Coordinator, Extension activities, KASC, 2004-2010.

Membership in Committees

- Doctoral Committee Member, Karunya University, 2010-2012.
- Member, College Staff Council, KASC 2004-2010.
- Member, Examination Committee, 2004-2010.
- Member of BOS, M.Sc Biochemistry, Bharathiar University, 2008-2009.
- Member of BOS, M.Phil Biochemistry, Bharathiar University, 2010.
- Member of BOS, Biochemistry, Karpagam University, GRD College, CMS College, RVS College, Coimbatore.
- Member, Research Committee, KASC, 2004-2010.
- Advisor, Students Welfare Committee, KASC, 2004-2010.
- Additional Superintendent of Examinations, KASC, 2011.
- Member, Best Research Department Award Committee, KASC.
- Member of the Institutional Animal Ethical Committee, KASC
- Member of Board of Question paper setter and examiner of PG and M.Phil Biochemistry of Avinashilingam University for Women, Periyar University, Bharathiar University, Annamalai University, SASTRA and Bharathidasan University.
- Member, Question paper scrutinizing Board in Biochemistry/Biotechnology at Annamalai University (2012).
- Member, Inspection Committee, Bharathiar university for increased intake of students for M.Sc Biochemistry at PSG College of Arts and Science – March 2011.
- Reviewer: Pharmaceuticall Biology, Immunopharmacology and Immunotoxicology, Food Science and Technology International, Journal of Food Science, JSFA.

Invited Lectures

- Tamil Nadu Agricultural University, Mettupalayam, Coimbatore
- Kumaraguru College of Technology, Coimbatore.
- Government College of Technology, Coimbatore.
- Karpagam University, Coimbatore.
- Nirmala College of Arts and Science, Coimbatore.
- SNMV College of Arts and Science, Coimbatore