

**Government Arts college (Autonomous), Coimbatore – 18**  
**Performance - Teacher Appraisal Report**

**i) General Information**

a) Name: Dr. A.SANKARAVADIVOO

b) Address (Residential): P 29, Professors Quarters,  
Tamil Nadu Agricultural University,  
Coimbatore – 641 003  
Phone No: 9443704273



c) Designation: Assistant Professor

d) Department: Botany

e) Date of Birth: 31.05.1966

f) Area of Specialization: Plant tissue culture

**A) Academic Qualifications**

<b>Exam Passed</b>	<b>Subjects</b>	<b>Board/ University</b>	<b>Year</b>	<b>Division/ Grade/ Merit, etc.</b>
High School	State Board, Tamilnadu	State Board	1981	First class
Higher Secondary or Pre-degree	Biology	State Board	1983	First class
Bachelor's Degree (s)	Botany	MK University	1986	Second class
B.Ed.	English and Bio Science	MK University	1992	First class
Master's Degree (s)	Botany	Annamalai University	1994	First class
M.Ed.	Education	Annamalai University	1995	Second class
Research Degree (s)	Botany – Genetics	Avinashilingam Deemed	1997	First class

(M. Phil)		University		
Ph. D	Tissue culture and Mutation breeding	Avinashilingam Deemed University	2001	Highly Commented
Other courses CCA		Avinashilingam Deemed University	1999	First class with distinction
PMCPGE	Plant Genetic Engineering	MK University	2003	First class

## ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil.	“Inheritance and improvement of quality traits in finger millet ( <i>Eleusine coracana</i> (L.) Gaertn.)”.	Avinashilingam Deemed University
Ph. D.	“Induction of variability for tannery effluent tolerance, grain quality and grain yield in finger miller ( <i>Eleusine coracana</i> (L.) Gaertn.) through tissue culture and induced mutagenesis.	Avinashilingam Deemed University
Post-Doctoral	-	-
Publications (give a list separately)	List enclosed	
Research Guidance (give names of students guided successfully)	-	-
Training (please specify)	-	-

**B) Research Projects carried out**

<b>S. No.</b>	<b>Title of the Project</b>	<b>Name of the Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
	-	-	-	-

**C) Seminars, Conferences, Symposia Workshops etc. attended** *(If necessary give a separate list)*

<b>Name of the Seminars / Conferences / Symposia / Workshops etc</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
List enclosed		

**iii) Teaching Experience**

<b>Courses Taught</b>	<b>Name of the University / College / Institution</b>	<b>Duration</b>
iv) UG (B.Sc.,)	Arulmigu Pannirupidi Ayyan College of Arts and Science, Nanguneri, Tirunelveli	2004-2005
	Hindusthan College of arts and science, Coimbatore	2005-2009
	Government Arts College, and Salem	2009-2010
	Government Arts College, Coimbatore	2010-Till date
v) PG (M.Sc.,)	Arulmigu Pannirupidi Ayyan College of Arts and Science, Nanguneri, Tirunelveli	2005-2006
	Hindusthan College of arts and science, Coimbatore	2006-2009

	Government Arts College, and Salem	2009-2010
	Government Arts College, Coimbatore	2010-Till date
vi) M. Phil.	Government Arts College, and Salem	2009-2010
	Government Arts College, Coimbatore	2010-Till date
Ph.D	Government Arts College, and Salem	2009-2010
	Government Arts College, Coimbatore	2010-Till date
vii) Any other	-	-

**Total Teaching Experience (in years and months):**

- a) Under-graduate (Pass) : 15 years  
b) Under-graduate (Hons.) : -  
c) Post-graduate : 15 years

**viii) Innovations/ Contributions in Teaching (If necessary give a separate list)**

a) Design of Curriculum :	Teaching & Research
b) Teaching methods :	Seminars, Slides, group discussions, Charts, Power Point Outline modules etc.
c) Laboratory experiments :	Research oriented Lab work
d) Evaluation methods :	Assignments, Seminars, Class tests, model tests, unarranged tests etc.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Seminars, group discussions, Power Point presentation, Lecture notes etc.
f) Remedial Teaching / Student	Individual counseling and guidance

Counseling (academic) :	
g) Any other :	Individual attention for weaker students

**ix) Extension Work/ Community Service (If necessary give a separate list)**

a) Please give a short account of your contribution to:

i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

ii) National Literacy Mission

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

**D. Participation in Corporate Life**

Please give a short account your contribution to:

a) College/ University / Institution	BOS Member, Tutor Time table committee member, Exam committee member, biological specimen incharge, Paper Valuer, Question Paper setter
b) Co-curricular Activities	-
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	-
d) Students Welfare and Discipline	Guidance and Counseling
e) Membership / Participation in Bodies / Committees on Education and National Development	-
f) Professional Organization of Teachers	-

**E.**

(a) Membership of Professional Bodies, Societies etc. Nil

**F. Any other information**

1. "PRESIDENT'S GUIDE" award for Bharat Scouts and Guides during 1980 by the President of India, New Delhi.
2. Undergone the course of Instruction of the St. John Ambulance Association in "First Aid to the Injured" and has passed the examination held on 18th July 1982 at Palayamkottai.

**(Signature of the Teacher)**

**Research papers published**

- i. Vadivoo, A.S., Joseph, R. and Ganesan, N.M. 1998. Genetic variability and diversity for protein and calcium contents in finger millet (*Eleusine coracana* (L.) Gaertn.) in relation to grain color. *Plant Foods for Human Nutrition* (Netherlands), 52: 353 – 364.
- ii. Vidhya Rani, S., Vijayalakshmi, A. and Sankaravadivoo, A. 2001. Biometrics and yield parameters of winged bean as influenced by composted coirpith and cytozyme. *Int. J. of Env. Educ. and Inf.* (United Kingdom) 20: 121-126.
- iii. Vadivoo, A.S and A.Vijayalakshmi. 2007. Whole plant regeneration from caryopsis and immature inflorescence derived callus of finger millet. *Plant Cell Biotechnology and Molecular Biology*, 8: 137 – 146.
- iv. Sankaravadivoo, A. 2008. *In vitro* propagation and antimicrobial screening of *Sauropus androgynus* (Euphorbiaceae). *J. Ecotoxicol. Environ. Monit.* 18: 337 – 341.
- v. Sankaravadivoo, A. 2008. *In vitro* propagation and antimicrobial screening of *Sauropus androgynus* (Euphorbiaceae). *J. Ecotoxicol. Environ. Monit.* 18: 337 – 341.
- vi. Jayalakshmi, T., A.Sankaravadivoo and S. Savitha. 2010. Comparative study of phytochemical studies and antimicrobial activity of *Andrographis paniculata*, *Ocimum sanctum* and *Phyllanthus niruri*. *J. Ecotoxicol. Environ. Monit.* 20: 169 – 173.
- vii. Murugalatha, N., A.Sankaravadivoo and G. Rajalakshmi. 2011. Antimicrobial activity and characteristics of bacteriocins produced by *Lactobacillus species* isolated from animal origin. *J. Ecotoxicol. Environ. Monit.* 21: 237 – 244.

viii. Komathi, S. and A.Sankaravadivoo. 2013. *In vitro* micropropagation and mass multiplication system for gamma irradiated *Sorghum bicolor* (L.). Global Research Analysis 2(4): 6-8.

### **Papers presented in conference**

i. Sankaravadivoo, A. and Vijayalakshmi, A., 1998. Utilization of tannery affected soils with stress tolerant cultivars. In: State level seminar on Environmental Problems in Urban Area, sponsored by University Grants Commission, New Delhi and Indian Geographical Society, Chennai. Apr. 17 and 18, 1998. Govt. Arts College, Coimbatore, Tamil Nadu, India. Abs. p. 5.

ii. Sankaravadivoo, A. and Vijayalakshmi, A., 1998. Effects of soil amendments on the germination of ragi grown in tannery polluted soil. In: Proc. of National Conference on Biological and Biotechnological Remedies to Environmental Pollution, organized by P.G and Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India in collaboration with Nature Conservators, Muzaffar Nagar, Uttar Pradesh, India. Dec. 3 – 5, 1998. Voorhees College, Vellore, Tamil Nadu, India. Pp. 190 – 192.

iii. Sankaravadivoo, A. and Vijayalakshmi, A., 1998. Utilization of tannery affected soils with stress tolerant cultivars. In: State level seminar on Environmental Problems in Urban Area, sponsored by University Grants Commission, New Delhi and Indian Geographical Society, Chennai. Apr. 17 and 18, 1998. Govt. Arts College, Coimbatore, Tamil Nadu, India. Abs. p. 5.

iv. Sankaravadivoo, A. and Vijayalakshmi, A. 1998. Effect of tannery pollution on the biometrics of yield and yield related characters in finger millet (*Eleusine coracana* (L. Gaertn.)). In: State level seminar on Recent Trends in Biological Sciences, sponsored by Tamil Nadu State Council for Science and Technology, Chennai & Society of Biological Chemists (India), Coimbatore Branch, Tamil Nadu, India. Dec. 5, 1998. Avinashilingam Deemed University, Coimbatore. Abs. No. MB. 8, p.27.

v. Sankaravadivoo, A. and Vijayalakshmi, A., 2001. Induction of tannery effluent tolerance in finger millet (*Eleusine coracana* (L.) Gaertn.) through gamma ray treatment. In: State level seminar on Environmental pollution and Bioremediation, Two day state level seminar sponsored by University Grants commission, New Delhi. Feb. 19 and 20, 2001, P.S.G.R. Krishnammal College for Women, Coimbatore, Tamil Nadu, India. Abs. I. 1. p.1.

vi. Sankaravadivoo, A. 2007. Discrimination of blue and white flower *Clitoria ternatia*. Lin through RAPD assay. Presented in the “National Conference on advance trends in Biotechnology held at the Department of, Biotechnology, Dr.N.G.P Arts and Sciences, An Institution of Kovai Medical Center Research and Educational Trust, Coimbatore-614048 Tamil Nadu, India on 2nd & 3rd February 2007.

vii. Savetha, A., A. Sankaravadivoo and S.Komathi 2008 “Release studies of BSA from composite scaffolds, Collagen and Polycaprolactone” Presented in the National seminar on

“Remediation and management of urban waste” held at the PSGR Krishnammal College for women Coimbatore, Tamil Nadu India. On 29th and 30th January 2008.

viii. Sankaravadivoo, A. 2008, “Biosafety of Transgenic plants” State level seminar on “Transgenic plants” held at the Department of Botany, Arulmigu Palaniyandavar Arts college for women, Palani, Tamil Nadu, India, On 23rd Feb 2008.

ix. Saranyadevi,S., Sivasankari.N. and A.Sankaravadivoo. 2008. Human diseases caused by fungi-opportunistic mycoses. Presented in the “National symposium on Infectious Diseases” held at the Department of Microbiology, Dr.N.G.P Arts and Sciences, An Institution of Kovai Medical Center Research and Educational Trust,Coimbatore-614048 Tamil Nadu, India on 8 & 9th August 2008.

x. Karthika. A, Manimegalai, G. and A Sankaravadivoo. 2008. Human Diseases caused by Fungi- Trypanosomiasis (Sleeping sickness) Presented in the “National symposium on Infectious Diseases” held at the Department of, Microbiology, Dr.N.G.P Arts and Sciences, An Institution of Kovai Medical Center Research and Educational Trust, Coimbatore-614048 Tamil Nadu, India on 8 & 9th August 2008.

xi. Mythili, P. A., Preethi C. and Sankaravadivoo.A. 2008. Filariasis. Presented in the “National symposium on Infectious Diseases” held at the Department of, Micro biology, Dr.N.G.P Arts and Sciences, An Institution of Kovai Medical Center Research and Educational Trust,Coimbatore-614048 Tamil Nadu, India on 8 & 9th August 2008.

xii. Murugalatha N., A.Sankaravadivoo and G. Rajalakshmi 2008. Hypocholestrolemic effect of Lactic acid bacteria from vegetable waste. Presented in Scientific Seminar on exploring biosciences Biosummit’08. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India.

xiii. Usha Ruckmanidevi H. and A.Sankaravadivoo 2008. Improving genetic variability in CO-9 and CO-13 Varieties of finger millet..(Eleusine coracana

(L.) Gaertn), through induced mutagenesis. Presented in Scientific Seminar on exploring biosciences Biosummit’08. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India.

xiv. Komathi S. and A.Sankaravadivoo 2008. Nutritional evaluation of Finger millet (Eleusine coracana (L.) Gaertn), progenies in tannery polluted soil for tannery effluent tolerance. Presented in Scientific Seminar on exploring biosciences Biosummit’08. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India.

xv. Usha Ruckmanidevi H. and A.Sankaravadivoo. 2009. Antimicrobial activity of Indian medicinal herbs against Gram positive and Gram Negative Bacteria presented in the International



Congress of Global warming on Biodiversity of insects. held at the Department of Zoology School of Life sciences, Bharathiar University, Tamil Nadu, India. On 9th to 12th February 2009.

xvi. Savitha,S and A.Sankaravadivoo. 2009. Scaffold of collagen for Tissue engineering application, presented in the International Congress of Global warming on Biodiversity of insects. held at the Department of Zoology School of Life sciences, Bharathiar University, Tamil Nadu, India. On 9th to 12th February 2009.

xvii. Chiranjith Gosh., A.Sankaravadivoo and C.Vani 2009. SCAR (Sequence characterized Amplified region) presented in the International Congress of Global warming on Biodiversity of insects. Held at Department of Zoology School of Life sciences, Bharathiar University, Tamil Nadu, and India. On 9th to 12th February 2009.

xviii. Sankaravadivoo, A. and S.Saranyadevi 2009.Adoption/Yield analysis of Vero cells on roller bottle culture system; A comparative study on glass, disposable and ribbed roller bottles. Presented in the “National Confernece on advance trends in Biotechnology held at the Department of, Biotechnology, Dr.N.G.P Arts and Sciences, An Institution of Kovai Medical Center Research and Educational Trust, Coimbatore-614048 Tamil Nadu, India on 18th and 19th December 2009.

xix. Sankaravadivoo, A. S.Komathi and S.Savitha 2010. Genetic diversity analysis of Green gram (*Vigna radiata*) through molecular markers. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India. On 22nd Jan 2010.

xx. Sankaravadivoo, A. 2010. Variability, Correlation and path analysis for Yield and Yield components in finger millet.(*Eleusine coracana* (L.) Gaertn), Presented in 20th annual conference of Indian association for Angiosperm Taxonomy and International symposium on Taxonomy, Plant Diversity and conservation. Held at Department of Botany, Bharathiar University, Tamil Nadu, India, on 26th to 28th November 2010.

xxi. Sankaravadivoo, A. and S.Komathi 2011. In vitro plant regeneration and mass propagation systems for *Sorghum bicolor* presented in “National conference on recent scenario in biological innovations”. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India. On 3rd and 4th Feb 2011.

xxii. Sankaravadivoo, A. and S.Savitha 2011. Somatic embryogenesis of *Tylophora indica* (burm.f.) Merrill presented in “National conference on recent scenario in biological innovations”. Held at Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore – 28, Tamil Nadu, India. On 3rd and 4th Feb 2011.