

# ACADEMIC PROFILE

JAMAL MOHAMED COLLEGE (AUTONOMOUS)

College with Potential for Excellence

Accredited with 'A' Grade by NAAC-CGPA 3.6 out of 4.0

(Affiliated to Bharathidasan University)

TIRUCHIRAPPALLI – 620 020.

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## **A. General information:**

- a. Name : **Dr.M.KAMARAJ**, M. Sc., M. Phil., B.Ed., PGDCA., Ph.D.
- b. Date of Birth : 25-07-1963
- c. Native Place : Chellampatty
- d. Designation : Associate professor of Botany
- e. Date of Appointment : Management staff 25- 07- 1999 to 31. 07.2006  
: Regular staff 01-08-2006 to Till Date
- f. Official Address : Associate Professor of Botany  
P.G & Research Department of Botany  
Jamal Mohamed College (*Autonomous*)  
Tiruchirappalli- 620 020, Tamil Nadu, India  
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## **B. Academic Qualifications:**

Degree	Subject	Institution/University	Class/Rank awarded	Passing Year
UG	Botany	Periyar E.V.R. College, Bharathidasan University	Second Class	April 1989
PG	Botany	Jamal Mohamed college, Bharathidasan University	First Class	April 1991
M. Phil.	Botany	St. Joseph's College, Tiruchirappalli, Bharathidasan University	Second Class	October 1993
B.Ed.	Botany	Annamalai University	Second Class	April 1992
PGDCA	Computer Application	Bharathidasan University	First Class	April 2004
Ph. D.	Botany	Bharathidasan University	Commended	Jan 2000

### **C. Awards: and Honors**

<b>2015-2016</b>	<ul style="list-style-type: none"><li>• Jamal Mohamed College NSS Coordinator Award</li><li>• Bharathidasan University NSS Award in NSS Programme Officer</li><li>• Bharathidasan University NSS Award in NSS Unit Category</li><li>• NSS South Zone Pre republic Parade Camp 7<sup>th</sup> to 16<sup>th</sup> October 2016 in National College, Trichy-01</li></ul>
<b>2016-2017</b>	Bharathidasan University NSS Award in NSS Unit Category
<b>2017-2018</b>	National Integration Camp at Kuvempu University, Shivamogga, Karanataka.

**D. Teaching Experience:** (i) U.G. : 20 Years (ii) P.G. : 20 Years (iii) M. Phil. : 15 Years

**E. Research Experience:** 15 Years

**F. Area of Specialization:** Plant Tissue Culture and Plant Biochemistry

**G. Positions held:**

S. No	Position	Institution/ University	From	To Period
1.	Lecturer	Jamal Mohamed College	25-07-1999	30.07.2006
2.	Assistant professor	Jamal Mohamed College	01-08-2006	31-07-2018
3.	Associate Professor	Jamal Mohamed College	01-08-2018	Till date

**H. Orientation / Refresher / Other Courses attended :**

Name of the Course	Academic Staff College, University	Duration	Date
Orientation Programme	UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023	28 days	02. 05.2007 to 29. 05.2007
Refresher Course	UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023	21 days	11. 08.2010 to 31. 08.2010
Refresher Course	UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023	21 days	18. 07.2014 to 07. 08.2014
Refresher Course	UGC-HRDC Bharathidasan University, Tiruchirappalli – 620 023	14 days	24.02.2021 to 09. 03.2021
One Week Short Team Programme On “Leadership Development in Academics”	UGC-HUMAN RESOURCE DEVELOPMENT CENTRE UNIVERSITY OF HYDERABAD HYDERABAD-500 046	06 days	03.08.2020 to 08.08.2020.
UGC Sponsored Online Short Team Course On “Research Methodology in Basic Sciences”	UGC-HUMAN RESOURCE DEVELOPMENT CENTRE UNIVERSITY OF MUMBAI	06 days	21.009.2020 to 26.09.2020

### Participated in Online Webinars:

1. Participated in the one-day online workshop on “GENERATING OBE- COMPLIANT QUESTIONS IN BOTANY ADOPTING BLOOM’S TAXONOMY” organized by the Department of Botany in association with Internal Quality Assurance Cell (IQAC) and Outcome Based Education Monitoring Council on 27.09.2021 under UGC PARAMARSH Scheme at **Ayya Nadar Janaki Ammal College Sivakasi – 626 124**, Tamil Nadu.
2. Participated in a national webinar on ECOSYSTEM RESTORATION: WHY THE NEED? Organized by IQAC and NSS of Sao Chang College to celebrate World Environment Day on June 5, 2021 at **Sao Chang College, Tuensang, Nagaland**, Pin No: 798612.
3. Participated in the Webinar on “Plant-Environment Interactions and Sustainable production” held at Manipal School of Life Sciences, **Manipal Academy of Higher Education, Manipal -576104, Karnataka on February 10, 2021.**

### H. Administrative responsibilities:

1. Admission committee member in Jamal Mohamed College on 2006 to Till date.
2. Student Co-Operative Society Secretary on 2014 - 2019
3. NSS Programme Officer 2014 to 2019
4. Jamal Mohamed College Alumni Association EC Member

### I. Number of M. Phil/Ph. D Produced

M. Phil		Ph. D	
<u>Awarded</u>	<u>Pursuing</u>	<u>Awarded</u>	<u>Pursuing</u>
<u>51</u>	<u>02</u>	<u>11</u>	<u>04</u>

### List of publications in International:

- Ranjitha Kumari, B.D. and **Kamaraj, M.** (1995). Effect of pesticides on pollen germination of some monocot and dicot crops. **Annali Di Botanica. Vol. I. III:** 233-238.
- Senthilkumar, S. and **Kamaraj, M.** (2010). Analysis of phytochemical constituents and antimicrobial activities of *Cucumis anguria* L. Agents clinical pathogens. **American- Eurasian J. Agric. And Environ. Sci.,** 7 (2): 176-178.
- Velmurugan, P., Rajan, M. and **Kamaraj, M.** (2010). Antibacterial activities of leaf and bark extracts of *Ailanthus excelsa*, **J. Trop. Med. Plants.** Vol.11 (1): 45-48.
- Velmurugan, P., **Kamaraj, M.** and Prema, D. (2010). Phytochemical constituents of *Cadaba trifoliata* Roxb. Root extract. **Inter. J of Phytomedicine.** 2: 379-384.
- Senthilkumar. S. and **Kamaraj, M.** (2011). Antimicrobial activity of *Cucumis anguria* L. By Agar well diffusion method. **Bot. Res. Intl.** 4 (2): 41 – 42.
- Velmurugan, P., Rajan, M. and **Kamaraj, M.** (2011). Phytochemical constituents and antifungal activities of *Ailanthus excelsa*, **J. Trop. Med. Plants.** Vol.12 (1): 25-28.
- Velmurugan, P. and **Kamaraj, M.** (2011). GC-MS Analysis of *Cadaba trifoliata* Roxb. Leaf extract. Traditional valuable plant. **African J. of Basic & Applied Sci.** 3 (1): 06- 08.

- Velmurugan, P., Rajan, M. and **Kamaraj, M.** (2011). Phytochemical and antifungal effect of *Clerodendrum inerme* leaf extract. **J. Trop. Med. Plants.** Vol.12 (1): 21-23.
- Durairaj, P., **Kamaraj, M.** and S.Senthilkumar (2012). Ethnobotanical Survey of folk plants for the treatment of Snakebites in Tiruchirappalli District of Tamilnadu, South India. **Intl. J. Res. Pharm. Sci.** 3(1): 72-78.
- Senthil K and **Kamaraj M.**(2012). Direct shoot regeneration from inter nodal explants of *Mentha viridis* L. International Journal of Pharmaceutical Sciences and Research. 3(4): 1101-1103.
- Senthil K and **Kamaraj M.** (2012).Efficient In-Vitro regeneration from mature leaf explants of *Mentha viridis* L. Via direct organogenesis. International Journal of Scientific and Research Publications. Vol.2 (5): 2250-3153.
- Sridharavishnusithan, K. and **Kamaraj, M.** (2012).Pytochemical Analysis of leaf extracts of *Wattakaka vaubilis* Linn. (Stapp) by GC-MS method. **Int. J. of Phar. Sci. Res.** Vol.3 (6): 1867-1871.
- Thiruvengadam, M., Jerome Jeyakumar, J., **Kamaraj, M.**, Chung, I. M. (2013). Plant regeneration through somatic embryogenesis from suspension cultures of gherkin (*Cucumis anguria* L.). **Australian Journal of Crop Science**, 7 (7): 969-977.
- Jerome Jeyakumar, J., **Kamaraj, M.**, Thiruvengadam, M. (2013). Efficient plant regeneration from petiole explants of West Indian gherkin (*Cucumis anguria* L.) via indirect organogenesis. **J. Plant Biochem. Biotechnol.** DOI 10.1007/s13562-013-0215-9. (Springer)
- Jerome Jeyakumar, J., **Kamaraj, M.**, Thiruvengadam, M. (2013). Biochemical analysis of *in vitro* induced callus of (*Cucumis anguria* L.).*Int. J. Pharm Bio. Sci.* 4(3): (B) 484-489.
- Muthu Thiruvengadam, Jerome Jeyakumar, **Malaiyandi Kamaraj**, Ill-Min Chung (2013). Optimization of *Agrobacterium*-mediated genetic transformation in gherkin (*Cucumis anguria* L.). **Plant Omics Journal.** 6 (3):231-239.
- Durairaj P.and M. Kamaraj (2013). Ethnobotanical studies on plant resources of Trichirapalli district,Tamilnadu, India.: *Int. J. of Humanities, Arts, Medicine and Sci.* Vol. (1) 3:17-30.
- Durairaj P.and M. Kamaraj (2013).Traditional medicinal plant resources of southernPachchamalais in Trichirapalli dt Tamil nadu, India: implication of traditionalKnowledge in health care system. *Int. J. of Res. In humanities, arts and literature:*vol. (1), 6: 39-46.
- Durairaj P.and M. Kamaraj (2013). Assessment and conservation strategies for *Santalum album* in Manmalai Rf of Thuraiyur Range at Tiruchirappalli District. *Int. J. of Humanities, Arts, Medicine and Sci.* Vol. (1): 1-12.
- Jerome Jeyakumar, J., **Kamaraj, M.**, Nandagopalan,V., Anburaja,V and Thiruvengadam, M. (2013). A study of phytochemical constituents in *Caralluma umbellate* by GC-MS analysis. *Int. J. Pharm. Sci. Inven.* 2(4): 37-41.
- Subramani,V., **Kamaraj, M.**, Jerome Jeyakumar, J. and Prema,D.(2013). Phytochemical properties and antimicrobial activities of *Tinospora cordifolia* (Menispermaceae). *J. of Anti. Photon* 128: 226-230.
- .Jerome Jeyakumar J and **M.Kamaraj.** (2014). Standardization of culture conditions for efficient *in vitro* flowering and regeneration of *Cucumis anguria* L. *Int. J. Pharma Sci. Res.* 2 (8): 1741-1751.
- Jerome Jeyakumar, J., **Kamaraj, M.** Srinivasan, S. and Thiruvengadam, M. (2014). *In vitro* propagation of *Metha arvensis*L. And the studies of their antibacterial activities. *J. of Anti. Photon* 129: 333-337.

- Ho-Jong Ju, Jerome Jeyakumar, **Malaiyandi Kamaraj**, Nagella Praveen, Ill-Min Chung, Seung-Hyun Kim. and Muthu Thiruvengadam, (2014). High frequency somatic embryogenesis and plant regeneration from hypocotyls and leaf explants of gherkin (*Cucumis anguria* L.). **Scientia Horticulturae**. 169:162-268.(Elsevier).
- Jerome Jeyakumar J.and M.Kamaraj.(2014). *In vitro* propagation of *Mentha arvensis* L. and the studies of their antibacterial activities. *Phot. J. anti*. 333-337.
- Jerome Jeyakumar J.and M.Kamaraj.(2014). *In vitro* Callus Regeneration and Biochemical Analysis in the Medicinal Plant *Phyllanthus niruri* L. *Brit. Bio. Bulle*.2 (2):437-446.
- Jerome Jeyakumar J, Senthil K, **Kamaraj M**, Subramani V and Prema D. Studies on the phytochemical properties and antimicrobial activities of a medicinal plant *Vernonia cinerea* (L.) LESS (Asteraceae). *Journal of Research in Plant Sciences*. (2014)3(1):255-259.
- Jerome Jeyakumar J. and **M.Kamaraj**.(2014).Ethnobotanical studies on Kallanai Thanjavur district. *Asian. J. Plant Sci. Res*.4 (3):5-8.
- Subramani V, **Kamaraj M**, Senthil K, Ramachandran B, Jerome Jeyakumar J and Prema D. (2014). Studies on Phytochemical Properties and Antimicrobial Activities of *Passiflora foetida* L.and *Ficus retusa* L. *Journal of Research in Plant Sciences*. 3(1): 249-254.
- Jerome Jeyakumar J.and M.Kamaraj.(2014).Effect of Different Growth Regulators on *In- vitro* Regeneration of Rhizome and Leaf Explants of *Acorus calamus* L., *Int. J.Pharma Res. Rev*.3 (3) :1-6.
- Jerome Jeyakumar J.and M.Kamaraj.(2013).Phytochemical Properties and Antimicrobial Activities of *Tinospora Cordifolia* (Menispermaceae). *Phot. J. anti*. 226-230.
- Jerome Jeyakumar J.and M. Kamaraj. (2014). Antidiabetic and Antioxidant Property of *Wattakaka volubilis*. *Int. J. Pharma Res. Rev*. 3 (3) :12-15 .
- Jerome Jeyakumar and M. Kamaraj. (2014). Study of trace metals concentration and antimicrobial properties of tropical *Aloe vera* plant from southern India. *Int. J. Phyto*.4 (3):89-91.
- Jerome Jeyakumar J.and M.Kamaraj.(2014). Phytochemical investigation and antimicrobial activity of *Caesalpinia bonduc* (linn) Roxb seed. *Int. J. Phyto*.4 (3):92-95.
- Jerome Jeyakumar J.and M.Kamaraj.(2014).Screening of phytochemical constituents, trace metals and antimicrobial efficiency of *Cissus vitiginea*. *Int. J. Phyto*.4 (3):96-98.
- Jerome Jeyakumar J. and M.Kamaraj.(2014).Trace Metals and Antimicrobial Studies on Indian Medicinal Plant of *Nyctanthes arboritis*. *Int. J. Pharma Res. Rev*. 3(3): 20-23.
- Jerome Jeyakumar J.and M.Kamaraj. (2014).Screening of Phytochemistry and Secondary Metabolites: A case study on *Nyctanthes arboritis*. *Int. J. Pharma Res. Rev*. 3(3):7-11.
- Jerome Jeyakumar J. and M.Kamaraj.(2014). Plant Extracts Derived Silver Nanoparticles. *Int. J. Pharma Res. Rev*. 3(3):16-19.

## **NATIONAL PAPERS:**

**Kamaraj, M.** and Ranjitha Kumari, B.D.(1997). Genotypic differences in Betel vine (*Piper betle L.*) to moisture stress. **Physiol. Mol. Biol. Plants:** 85 - 86.

**Kamaraj, M.** and Ranjitha Kumari, B.D. (1997a). Change in stomatal characters in Betel vine (*Piper betle L.*) under moisture stress. **Geobios.** **16:** 54-56.

Ravi Kumar, R., **Kamaraj, M.**, and Sathiskumar, V. (2007). Effect of vermicompost on *In Vivo* raised seedlings on paddy. **JARJ.** Vol. 4. No.1: 17-19.

**Kamaraj, M.** and Ranjitha Kumari, B.D. (1999). Physiological response of Betel vine (*Piper betle L.*) to water stress. **Geobios.** Vol. 26(2-3): 119-122.

**Kamaraj, M.**, George, V.K. and Ranjitha Kumari, B.D. (1999). Effect of plant growth hormones on growth and yield of sunflower. **Indian Journal of Plant Physiol.** vol. **4, No.2** (N.S):141-143.

Senthilkumar, S., Sathish, S.S. and **Kamaraj, M.** (2009). Investigation on Antibacterial potential of a medicinal plant *Rauwolfia serpentina L.* **J. Microb. World.** 11(2): 244-247.

Senthilkumar, S., Sahaya Sathish, S. John, J. and **Kamaraj, M.** (2009). Efficiency of Oyster mushrooms (*Pleurtus sajorcaju*) on degradation of different agro wastes. **J. Ecobiol.** 25 (4): 337-341.

Sridharavishnusithan, K. and **Kamaraj, M.** (2010).Antibacterial activity of strychnos *Nuavomica* leaf extracts. **J.of Ecobiol.** Vol. 27(1): 39-42.

Velmurugan, P., Rajan, M. and **Kamaraj, M.** (2010).Antibacterial activities of leaf and bark extracts of *Clerodendrum inerme.* **J.of Ecobiol.** 26(4): 391-394.

Prema, D. and **Kamaraj, M.** (2010). Effect of growth hormones on in vivo raised seedling of sunflower (*Helianthus annuus L.*). **J. Ecotoxicol. Environ. Monit.** 20 (6): 437-441.

Prema, D. and **Kamaraj, M.** (2010). Effect of water stress on Nitrate and Nitrite reductase activities in Betel vine (*Piper betle L.*). **J. Ecotoxicol. Environ. Monit.** 20 (6): 523-526.

Sridharavishnusithan, K and **Kamaraj, M.** (2010). Effect of *Piper betle* (Betel vine) Extract selected pathogenic bacteria. **J. Ecotoxicol. Environ. Monit.** 20 (5): 487-490.

Senthilkumar, S., Prema, D., Durairaj, P. and **Kamaraj, M.** (2011). *In Vitro* multiple shoot regeneration from nodal explants of *Cucumis anguria.* **J. Ecotoxicol. Environ. Monit.** 21 (1): 59 – 62.

Antony Sahayaraj, A., Assisa Priceline, R. and **Kamaraj, M.** (2012). Effect of sodium chloride stress on protein metabolism of green gram (*Vigna radiata*).**J. of Ecobiol.** 30(2): 97-104.

Assisa Priceline, R., Antony Sahayaraj, A. and **Kamaraj, M.** (2012). Effect of KCL salinity on protein metabolism of black gram (*Vigna mungo*). **J. of Ecobiol.** 30(2): 27-134.

- Manoranjitham M and Kamaraj M. (2016). Study on Usage of Medicinal plants for human diseases by the Traditional Healers of Pachamalai Hills, Tamil Nadu, India. *Journal of Applied and Advanced Research*, 1(2): 1–6.
- Manoranjitham M and Kamaraj M. (2016). Ethno veterinary Usage of Medicinal plants in Pachamalai Hills, Tamil Nadu, India. *Journal of Applied and Advanced Research* 2016, 1(3): 31–36.
- Manoranjitham M., Ramaraj T. and Kamaraj M. (2016). An ethno-botanical study on traditional uses of medicinal plants in Musiri Taluk, Tiruchirappalli District, Tamil Nadu. *Journal of Applied and Advanced Research*. 1(3): 16–24.
- Murugan M. and Kamaraj M. (2018). Phytochemical Screening and antimicrobial activity of medicinal plant - *Hybanthus enneaspermus* L. F. Muell. *Journal of Drug Delivery & Therapeutics*. 8(4):323-330.
- Murugan, M. and Kamaraj, M. (2018). *In Vitro* propagation and conservation of useful ethnomedicinal plants of *Hybanthus enneaspermus* L. F. Muell. Belonging to the violaceae family. *International Journal of Current Research in Life Sciences*, Vol. 07, No. 07, pp.2493-2499.
- Vanithamani J. and M. Kamaraj (2018). Constituents, trace metal concentration and antimicrobial efficiency of *Breynia retusa*. *Research Direction*. Vol: 6 Issue: 6, 374-380.
- Vanithamani J., and . M. Kamaraj (2019). Bio-reduction of gold nanoparticles for pharmacological applications. *RJLBPCS* 5(3):Pp.1-17.
- Sudhakar S. P., D. Perma, S. Velmurugan and M. Kamaraj.(2020). Biosynthesis, characterization, antibacterial and anticancer studies of Cerium oxide nanoparticles from *Indigofera colutea* leaf extract. *INFOKARA RESEARCH*. Volume 9 Issue 1: Pp.701-117.
- Sudhakar S. P., D. Perma, S. Velmurugan and M. Kamaraj.(2020). One spot green synthesis of silver nanoparticles using *Indigofera colutea* leaf . . *INFOKARA RESEARCH*. Volume 9 Issue 1: Pp.782-798.

### **National and International Symposium and Seminar**

- Kamaraj, M.** 1996). Effect of plant hormones on physiological changes in *Helianthus annuus* L. Var. SUF 5. National seminar on the role of crop Physiology in improving agricultural productivity and New vistas for plant physiological research on Department of crop physiology. TNAU, Coimbatore on January 29-31. Pp74.
- Kamaraj, M.** (1997). Influence of stomatal occurrence in Betel vine (*Piper betle* L.) under moisture stress at Department of Botany, St. Joseph's College (Autonomous), Tiruchirappalli on February 26-28. Pp76.
- Kamaraj, M.** (1997). Physiological response of Betel vine (*Piper betle* L.) to water stress. National seminar on plant physiology for sustainable Agriculture, IARI, New Delhi on March 19-21.

- Kamaraj, M.** (1998). Water stress induced changes in Glutamine, Ammonia, Nitrate reductase activities in Betel vine (*Piper betle*L.). National conference on recent trends in spices and medicine plant research on the Academic of Plant Sciences, India. Bose Institute, Calcutta, on April 1-2.
- Kamaraj, M.** (1998). Physiological response of Betel vine (*Piper betle* L.) to water deficit stress. National symposium on current Trends in Plant Physiology and Plant Biochemistry at Department of Plant Sciences, School of Life Sciences, University of Hyderabad on January 29-31. Pp125.
- Kamaraj, M.** (1998). Effect of distillery spent -wash on Growth and development of Soyabean (*Glycine max* var. Co-1). International symposium on Bio-industry at Department of Zoology, A.V.V.M. Sri Pushpam College (Autonomous), Poondi. On January 8 - 10 pp: 15,
- Kamaraj, M.** (1998). Effect of water stress on Nitrogen Metabolism in Betel vine (*Piper betle* L.). National symposium on Future Goals of physiological Research for the improvement of plant research at Department of Botany, Annamali University , Annamali Nagar, Tamil nadu on December 18-20.
- Kamaraj, M.** (1998). Changes in total amino acids, nitrate (NR) and Nitrite reductase activities (NIR) in Betel vine (*Piper betle* L.) under water stress. National conference on Recent trends in Biotechnology and microbial research. Department of Biotechnology and Microbiology, JJ college of Arts and Science, Pudukottai on May 20-21, PP:59.
- Kamaraj, M.** (1999). Changes in Protein metabolism in Betel vine (*Piper betle* L.) under water deficit stress. National symposium on Emerging Trends in plant Sciences at Department of Botany (UGC-DRS). Srivenkateswara University, Tirupati on March 15-17. Pp38.
- Kamaraj, M.** (1999). Drought stress induced changes in Activities of Superoxide dismutase, Lipid peroxidation, Catalase and Peroxidase in Betel vine (*Piper betle* L.) National symposium on role of Biochemistry and Biotechnology in Twenty First Century at University of Agricultural Sciences, Hebbal campus, Bangalore on March 4-6. Pp5.
- Kamaraj, M.** (1999). Proline Metabolism during water stress in Betel vine (*Piper betle* L.) Cv. SGM1. Inter national conference on Life Sciences in the Nexs Millennium at School of Life Sciences, University of Hyderabad on December 11-14, Pp 60.
- Kamaraj, M.** (2000). Effect of Zinc on germination growth, chlorophyll, carotenoid and sugar contents in *Phaseolus radiatus* Linn. National symposium on recent trends in Crop improvement for Sustainable Development. Dept. of Plant Science., Bharathidasan University, Tiruchirappalli. On January 27-29. PP:25
- Kamaraj, M.** (2000). Some morpho - physiological and biochemical changes of Betel vine (*Piper betle* L.CV. SGM.1.) to water stress. National symposium on recent trends in Crop improvement for Sustainable Development. Dept. of Plant Science., Bharathidasan University, Tiruchirappalli. On January 27-29. PP:40
- Kamaraj, M.** (2003). Changes in leaf water relations and scavenging enzymes in Betel vine under water deficit stress. 2<sup>n</sup> International congress of Plant Physiology on sustainable plant productivity under changing environment. Indian society of Plant Physiology and Indian Agricultural Institute. NewDelhi, On January 8 - 12. PP:213.



- Kamaraj,M.** (2004). Effect of endomycorrhizae on in vitro raised plantlets of bamboo. National symposium on current scenario in microbial Technology, Dept. of Botany, Jamal Mohamed College, Tiruchirappalli on September, 28-29. Pp-26.
- Kamaraj, M.** (2007). Studies on the ground water quality of a few chosen hill stations in nilgiris. One day state level, seminar on Emerging Trends in Microbial Biotechnology. Organized by Department of Microbial Biotechnology, PSGR Krishnammal College for Women (Autonomous Institution - Affiliated to Bharathiar University)Peelamedu, Coimbatore - 641 004) on 10<sup>th</sup> February, Pp.37.
- Kamaraj,M.** (2007). Effect of vermicompost on paddy seedling growth and biomass productivity. UGC Sponsored Regional Seminal on Recent Trends in Biotechnology and its role in Utilization of biodiversity, Dept. of Botany, Jamal Mohamed College, Tiruchirappalli on March 5<sup>th</sup> and 6<sup>th</sup>.Pp61.
- Kamaraj,M.** (2007). Effect of Polyethylene Glycol 600 (PEG) on *Cucumis anguria L.* UGC Sponsored Regional Seminal on Recent Trends in Biotechnology and its role in Utilization of biodiversity, Dept. of Botany, Jamal Mohamed College, Tiruchirappalli on March 5<sup>th</sup> and 6<sup>th</sup>.Pp70.
- Kamaraj,M.** (2010). Phytochemical constituents of *Cadaba trifloata* Roxb. Leaf extract. Ntional Seminar on Phytotherapeutics, Sponnosored by Dept. of Science and Technology, New Delhi, Organized by Department of Biochemistry St. Jpseph's College, Tiruchirappalli, .Pp35.
- Kamaraj,M.** (2010). Separation and identification of active principle from *Wattakaka volubilis L.*by GC-MS analysis. DST, UGC,CSIR, DRDO, INSA, TNSCST, TNSCHE, Sponsored International conference on Bioresource technology, Organised by Dept. of Botany, Nirmala College for Women, Coimbatore on October 7-8, Pp152.
- Kamaraj,M.** (2010). Evaluation of antibacterial activity of the root extract of *Cadaba trifoliata* (Roxb). WT. ARN. DST, UGC,CSIR, DRDO, INSA, TNSCST, TNSCHE, Sponsored International conference on Bioresource technology, Organised by Dept. of Botany, Nirmala College for Women, Coimbatore on October 7-8, Pp203.
- Kamaraj M.** (2011). *In vitro* regeneration of *Mentha arvensis L.* “ UGC- Sponsored National Seminar on The Impact of Climate Change on Bio Diversity” (ICCBD-2011) 21&22 January 2011, organized by the Department of Plant Science, KanchiMamunivar Centre For Post Graduate Studies,Pondicherry, Pp.95.
- Kamaraj M.** (2011). *In vitro* Salt resistant Plants from leaf explants through organogenesis in *Cucumis anguria L.*” Conference On Perspectives of Climate Change and Plant Diversity Inter-Relations” November 17-18, 2011, Manipal Life Sciences Centre, Manipal University, Manipal, India, Pp.30.
- Kamaraj M.** (2012). Effect of *Catharanthus roseus L.* extract On Selected Microbes. State Level Seminar on “Emerging Advancements in Biosciences” 17<sup>th</sup> March, 2012.,organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Trichy, Tamil Nadu, p.65.
- Kamaraj M.** (2012). Phytochemical and HPLC analysis in *Caralluma umbellate.* State Level Seminar on “Emerging Advancements in Biosciences” 17<sup>th</sup> March, 2012.,organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Trichy, Tamil Nadu,Pp.63.

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