

Faculty Profile of Dr. K. Vasanth



Dr. K. Vasanth
Associate Professor
Department of Botany

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Mobile No:+91 80563 35369

Research Area

- Plant Tissue Culture
- Animal Cell Culture
- Cancer Biology
- Molecular Biology
- Pharmacology

Education & Career

Education

Ph.D.

Subject : Botany

Institution : Bharathidasan University, Trichirappalli

Affiliated University : Bharathidasan University

Year of Award : 2005

M.Sc.,

Subject : Botany

Institution : Bharathidasan University, Trichirappalli

Affiliated University : Bharathidasan University

Year of Award : 1999

B.Sc.,

Subject: Botany

Institution: Government Arts College, Dharmapuri

Affiliated University: Madras University

Year of Award: 1995

Administrative responsibilities

Vice-President in the **BHUTA**, Bharathiar University, Coimbatore for the period of 2018 to 2020.

President in the **BHUTA** , Bharathiar University, Coimbatore for the period of 2020 to till date.

Career**At Bharathiar University (Reverse Order)****Career At Bharathiar University (Reverse Order)**

Associate Professor : February 28, 2021 onwards

Assistant Professor : February 2011 to 2021

Past Experience

Post doctoral Researcher : May 2009 to February 2011 at National Yang-Ming University, Taiwan

Faculty member/Researcher : April 2008 to march 2009 at Institute for Wine Biotechnology, South Africa

Postdoctoral Researcher : April 2005 to March 2008 at Institute for Wine Biotechnology, South Africa

Membership

Membership in Professional Bodies

SI No. : 1

Organization : Journal of Plant Biochemistry and Biotechnology

Period : Life time

SI No. : 2

Organization : Swamy Botanical Club,Bharathidasan University

Period : Life time

SI No. : 3

Organization : Society for Biotechnology, India

Period : Life time

Membership in Academic Bodies

Sl. No. : 1

Organization : Alaggapa University Affiliated College

Type of Membership : Boards of studies member

Period : 2023

Sl. No. : 2

Organization : Periyar University

Type of Membership : Boards of studies member

Period : 2023

Sl. No. : 3

Organization : Periyar University

Type of Membership : Boards of studies member

Period : 2019

Sl. No. : 4

Organization : Bharathidasan University

Type of Membership : Boards of studies member

Period : 2018

Sl. No. : 5

Organization : Periyar University

Type of Membership : Boards of studies member

Period : 2016

Visits

Sl. No. : 1

Countries Visits : Taiwan

Duration of Visit : 2 Years

Month and Year : May 2009 to February 2011

Purpose of Visit : Postdoctoral Researcher

Sl. No. : 2

Countries Visits : South Africa

Duration of Visit : 1 Year

Month and Year : April 2008 to March 2009

Purpose of Visit : Faculty Member/Researcher

Sl. No. : 3

Countries Visits : South Africa

Duration of Visit : 3 Years

Month and Year : April 2005 to March 2008

Purpose of Visit : Postdoctoral Researcher

Collaborators

International Collaboration

- Prof. Chi-Ying F. Huang, Institute of Clinical Medicine, **National Yang-Ming University**, Taipei, Taiwan.

National Collaboration

- Nodal officer on behalf of Bharathiar University with **GEM hospital** at Coimbatore.
- Collaboration project with **Dr. S. Selvakumar, Department of Biochemistry** under **TANSCHÉ - RGP**, project entitled CD36 and GPR120 mediated cell signaling mechanisms -Implication in prevention of obesity development.

Projects

Funded Projects(National Level)

- [Ongoing - 02](#)
- [Completed - 03](#)

1. TNSCST

Title : Cryopreservation of long term storage endangered plant species

Funding Agency : TNSCST

Amount : Rs. 4,20,000/-

2. DST-SERB

Title : Development of protocols for genetic transformation of the legume *Macrotyloma uniflorum* (Lam.) Verdc. And cryopreservation of it somatic embryos

Funding Agency : DST-SERB

Amount : Rs. 24,50,000/-

3. RUSA 2.0- BEICH

Title : *In vitro* propagation and anti- cancer investigation of *Gloriosa superba* L. - “Lab to Land”; A conservative approach.

Funding Agency : RUSA 2.0- BEICH

Amount : Rs. 5,00,000/-

4. RUSA 2.0- BCTRC

Title : Medicinal plants: their role in human health and drug discovery for cancer

Funding Agency : RUSA 2.0- BCTRC

Amount : Rs. 6,10,000/-

Co- Principal investigator

5.TANSCHÉ - RGP

Title : CD36 and GPR120 mediated cell signaling mechanisms -Implication in prevention of obesity development

Funding Agency : TANSCHÉ - RGP

Amount : Rs. 20,64,750/-

Research Guidance

- [Post-Doc](#)
- [Ph.D.](#)
- [M.Phil.](#)
- [M.Sc.,](#)

ONGOING

1. Candidate name : Ms. S. Janani Sree
Year of Joining : Dec- 2021
2. Candidate name : Ms. M. Vishnupriya
Year of Joining : Dec- 2021
3. Candidate name : Ms. S. Sangamithra
Year of Joining : Dec- 2021
4. Candidate name : Ms. E. Keerthi
Year of Joining : Nov- 2022

AWARDED

1. Candidate name : Dr. Amal.T.Cheeran
Year of Award : Oct- 2020

2. Candidate name : Dr. V. Balamurugan
Year of Award : Dec- 2021

3. Candidate name : Dr. A. Vignesh
Year of Award : April- 2022

4. Candidate name : Dr. P. Karthika
Year of Award : Nov- 2022

5. Candidate name : Dr. K. Raja
Year of Award : May- 2023

Sl.No. : 1

Name of the candidate : Amal.T.Cheeran

Title of the Thesis : Development of protocols for genetic transformation of the legume Horse gram (*Macrotyloma uniflorum* (Lam.) Verdc).

Year : October 2013

Sl.No. : 2

Name of the candidate : K. Kamaleshwari

Title of the Thesis : Optimization of *Agrobacterium* mediated genetic transformation *Vigna mungo* L.

Year : October 2013

Sl.No. : 3

Name of the candidate : L. Gunasekaran

Title of the Thesis : In vitro Culture and Phytochemical Screening of *Leucas aspera* (Willd.) Linn and *Leucas biflora* (Vahl.) R. Br.

Year : October 2015

Sl.No. : 4

Name of the candidate : V. Balamurugan

Title of the Thesis : In vitro culture and phytochemical studies of

Acorus calamus L.

Year : October 2015

Sl.No. : 5

Name of the candidate : S. Sivasankari

Title of the Thesis : In vitro culture and phytochemical analysis of
Macrotylomauniflorum (Lam.) Verdc.

Year : February 2016

Sl.No. : 6

Name of the candidate : K. Raja

Title of the Thesis : Preliminary phytochemical screening of various solvent
extracts Of Striga densiflora (Benth.) Benth.

Year : November 2016

Sl.No. : 7

Name of the candidate : R. Kirithiga Mythrayi

Title of the Thesis : In vitro regeneration and in silico characterization of UGT
isoforms and DREB2 gene in Stevia rebaudiana Bertonii.

Year : October 2018

Sl.No. : 1

Name of the candidate : P. Kowsalya rani

Title of the Dissertation : A non-tissue method of Agrobacterium mediated
genetic transformation in chick pea (Cicer arietinum L.)

Year : April 2012

Sl.No. : 2

Name of the candidate : M. Lingadevi

Title of the Dissertation : A non-tissue method of Agrobacterium mediated
genetic transformation in peanut (Arachis hypogaea L.)

Year : April 2012

Sl.No. : 3

Name of the candidate : S. Maheshwari

Title of the Dissertation : A non-tissue method of Agrobacterium mediated
genetic transformation in horse gram (Macrotylomauniflorum (Lam) Verdc.)

Year : April 2012

Sl.No. : 4

Name of the candidate : M. Kasipandi

Title of the Dissertation : Agrobacterium mediated in planta genetic transformation of (*Macrotyloma uniflorum* L.)

Year : April 2013

Sl.No. : 5

Name of the candidate : S. Rukshana begum

Title of the Dissertation : Screening of morphological and biochemical changes by in planta transformation of *Vigna mungo* (L.) Hepper

Year : April 2013

Sl.No. : 6

Name of the candidate : R. Vasudevan

Title of the Dissertation : Agroinfiltration of *Vigna unguiculata* (L.) Walp leaves for fast transient expression in genetic transformation

Year : April 2013

Sl.No. : 7

Name of the candidate : S. Jayasathya

Title of the Dissertation : In planta Agrobacterium mediated transformation and Biochemical screening in cowpea (*Vigna unguiculata* L. Walp.)

Year : March 2014

Sl.No. : 8

Name of the candidate : C. Chitra

Title of the Dissertation : Sonication assisted Agrobacterium mediated genetic transformation (SAAT) in *Vigna mungo* L.

Year : March 2014

Sl.No. : 9

Name of the candidate : R. Kavitha

Title of the Dissertation : In planta method of Agrobacterium mediated genetic transformation in Peanut (*Arachis hypogaea* L.)

Year : March 2014

Sl.No. : 10

Name of the candidate : R. Dhileepan

Title of the Dissertation : Evaluation of Phytochemical Antioxidant and Antimicrobial activity of leaf extracts of *Ficus amplocarpa* Govind. & Masil

Year : March 2015

Sl.No. : 11

Name of the candidate : S. Revathy

Title of the Dissertation : Evaluation of Phytochemical , Antioxidant and Antimicrobial activity of leaf extracts of *Ficusguttata*

Year : March 2015

Sl.No. : 12

Name of the candidate : S. Muthukumar

Title of the Dissertation : Morphological and biochemical characterization of hores gram germplasm (*Macrotylomauniflorum*(Lam.) Verdc.) by the influence of plant parasitic nematode *Meloidogyne incognita*

Year : April 2016

Sl.No. : 13

Name of the candidate : P. Karthika

Title of the Dissertation : In Vitro Culture Studies and Phytochemical Analysis in *Sphaeranthusindicus* L.

Year : April 2016

Sl.No. : 14

Name of the candidate : T. Unigagandhi

Title of the Dissertation : Phytochemical differences and antioxidant activity in *Madhucalongifolia* (J. Konig) J.F, Macbr

Year : April 2016

Sl.No. : 15

Name of the candidate : N. Ramya

Title of the Dissertation : Preliminary studies on phytochemical and antioxidant activities on weed plant *Oxalis latifolia*Kunth.

Year : April 2017

Sl.No. : 16

Name of the candidate : P. Sivaranjani

Title of the Dissertation : Characterization and evaluation of germplasm using morphological and phytochemical properties in Horse gram (*Macrotylomauniflorum*(Lam.) Verdc.

Year : April 2017

Sl.No. : 17

Name of the candidate : I. Rasathi

Title of the Dissertation : Analysis of morphological and phytochemical characteristics of horse gram (*Macrotyloma uniflorum* (Lam.) Verdc.) Germplasm

Year : April 2017

Sl.No. : 18

Name of the candidate : R. Dharani

Title of the Dissertation : Screening of phytochemical and antioxidant activity of endemic plant species *Elaeocarpus variabilis* Szmazty

Year : April 2017

Sl.No. : 19

Name of the candidate : N. Gayathri

Title of the Dissertation : Studies on nutraceutical value of leaf and bulb of *Oxalis Latifolia* Kunth.

Year : May 2018

Sl.No. : 20

Name of the candidate : A. Monica

Title of the Dissertation : Evaluation of phytochemical screening in leaf and stem of *Cirsium verutum* (L. Don) Spreng

Year : May 2018

Sl.No. : 21

Name of the candidate : R. Vasanth kumar

Title of the Dissertation : Assessment of nutritional and nutraceutical properties in leaf, stem and fruit extract of *Berberis nilghiriensis*. Ahrend

Year : May 2018

Sl.No. : 22

Name of the candidate : D. Gokulakannan

Title of the Dissertation : Phytochemical and nutraceutical analysis in *Pandanus tectorius* ex Du Roi

Year : May 2018

Sl.No. : 23

Name of the candidate : J. Nataraj

Title of the Dissertation : Pharmacognostical studies of *Oxalis latifolia* Kunth.

Year : April 2019

Sl.No. : 24

Name of the candidate : S. Sharmila

Title of the Dissertation : Phytochemical analysis and anticancer activity from callus extract of *Gloriosasuperba* L.

Year : April 2019

Sl.No. : 25

Name of the candidate : N. Dipshika Motwani

Title of the Dissertation : *In silico* analysis of *Priva cordifolia* (L.f.) Druce derived phytocompounds against migraine causing vasodilator PACAP 38 and its nociceptor PAC1-R."

Year : April 2020

Sl.No. : 26

Name of the candidate : S. Janani Sreei

Title of the Dissertation : *In Vitro* Regeneration and Phytochemical screening of *Parochetus communis* Buch. -Ham. Ex D. Don.

Year : April 2020

Sl.No. : 27

Name of the candidate : K. Dharani

Title of the Dissertation : Structural Elucidation of p21 and its interaction with non-carcinogenic volatile compounds from active fractions of *Oxalis latifolia* Kunth.

Year : April 2021

Sl.No. : 28

Name of the candidate : V. Abarna Arul Selvi

Title of the Dissertation : Preliminary Phytochemical analysis and antibacterial activity of *Coleus amboinicus* Lour. Leaves extract

Year : April 2021

Sl.No. : 29

Name of the candidate : M. Vishnupriya

Title of the Dissertation : Propagation and microtuber production of *Gloriosa superba* L.

Year : April 2021

Sl.No. : 30

Name of the candidate : S. Yasotha

Title of the Dissertation : Phytochemical analysis and anticancer activity of *Gymnema sylvestre* R.Br

Year : April 2021

Sl.No. : 31

Name of the candidate : A. Hima

Title of the Dissertation : *In vitro* phtochemical analysis of *Leucas aspera* and *Leucas biflora*

Year : April 2022

Sl.No. : 32

Name of the candidate : R. Nirmaalaya

Title of the Dissertation : Phtochemical screening and molecular docking of *Eleocarpus serratus*

Year : April 2022

Sl.No. : 32

Name of the candidate : S. Sree Poornima

Title of the Dissertation : Phtochemical screening and molecular docking of *Pandanus canaranus*

Year : April 2022

Research Publication

2023

- Vignesh A., Amal TC., Selvakumar S & **Vasanth K** (2023). Conservation linkages of endangered medicinal plant and exploration of phytochemicals, pharmaceutical screening and *in silico* validation of *in vivo*-wild and *in vitro*-regenerated plant *Boucerosia diffusa* Wight. **3 Biotech . IF: 2.893**

- Raja K., Vignesh A., Lavanya P., Ravi M., Selvakumar S & **Vasanth K** (2023). A New organosulfur compound identified from *Striga angustifolia* (D. Don) C.J. Saldanha inhibits lung cancer growth and induces apoptosis via p53/mTOR signaling pathway. *Applied Biochemistry and Biotechnology* 5, 1-21. **IF: 3.094**
- Motwani, D., Vignesh, A., Raja, K., Selvakumar, S., & **Vasanth, K.** (2023). Exploration of phytochemicals and probing potential effects of *Priva cordifolia* active extract on PACAP 38 and its nociceptor in the human trigeminovascular system. *3 Biotech*, 13 (2), 1-14. **IF: 2.893**
- Janani, K., Vignesh, A., Veerakumari, K. P., **Vasanth, K.**, & Rakkiyappan, R. (2023). Identifying native endemic plant species in Nilgiris using the interval type 2 q-rung orthopair fuzzy Bonferroni mean operator. *Computational and Applied Mathematics*, 42(1), 55. **IF: 2.998**
- Karthika, P., Balamurugan, V., Dhandapani, G & Vasanth K (2023). Embryo and Ovary Culture of Important Legume Horse Gram, *Macrotyloma uniflorum* (Lam.) Verdc. **Asian Journal of Crop Science**, 15 (1): 8-15.
- Ponnusamy, V., Subramanian, G., Muthuswamy, K., Shanmugamprema, D., Vasanthakumar, K., **Krishnan, V.**, & Subramaniam, S. (2022). Tongue papillae density and fat taster status-a cardinal role on sweet and bitter taste perception among Indian population. *Food Research International*, 112294. **IF: 7.425**

2022

- Shanmugamprema, D., Muthuswamy, K., Ponnusamy, V., Subramanian, G., Velusamy, T., **Krishnan, V.**, & Subramaniam, S. (2022). CD36 and GPR120 mediated orogustatory perception of dietary lipids and its physiological implication in the pygmy mouse *Mus booduga*. *Journal of Animal Physiology and Animal Nutrition*, 106(6), 1408-1419. **IF: 2.718**
- Ponnusamy, V., Subramanian, G., Muthuswamy, K., Shanmugamprema, D., **Krishnan, V.**, Velusamy, T., & Subramaniam, S. (2022). Genetic variation in sweet taste receptors and a mechanistic perspective on sweet and fat taste sensation in the context of obesity. *Obesity Reviews*, e13512. **IF: 10.867**

- Vignesh, A., Sivalingam, R., & **Vasanth, K.** (2022). Diversity of Woody Flora and Physico-chemical Attributes of Soil in the Nilgiri Hills, Tamil Nadu, India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 92(1), 95-103. **IF: 1.750**
- Balamurugan, V., Sridhivya, M., Dharani, R., Selvakumar, S., & **Vasanth, K.** (2022). Phytochemical Screening, Antioxidant, Antidiabetic and Anticancer Activities of *Elaeocarpus variabilis* Fruit. *Turkish Journal of Agriculture-Food Science and Technology*, 10(8), 1352-1362.
- Subramaniam, S., Chia-Chuan, C., Venkatachalam, B., Thomas Cheeran, A., & Chi-Ying F, H. (2022). Anticancer Activity of *Leonurus sibiricus* L.: Possible Involvement of Intrinsic Apoptotic Pathway. *Nutrition and Cancer*, 74(1), 225-236. **IF: 2.816**
- Raja, K., Balamurugan, V., Selvakumar, S., & **Vasanth, K.** (2022). *Striga angustifolia* mediated synthesis of silver nanoparticles: Anti-microbial, antioxidant and anti-proliferative activity in apoptotic p53 signalling pathway. *Journal of Drug Delivery Science and Technology*, 67, 102945. **IF: 5.062**
- Janani, K., Veerakumari, K. P., **Vasanth, K.**, & Rakkiyappan, R. (2022). Complex Pythagorean fuzzy Einstein aggregation operators in selecting the best breed of Horsegram. *Expert Systems with Applications*, 187, 115990. **IF:8.665**
- Vignesh A., Sivalingam R., Selvakumar S., & **Vasanth K.** (2021). A review on ethnomedicinal and phytopharmacological potential of traditionally wild and endemic plant *Berberis tinctoria* Lesch. *Thai Journal of Pharmaceutical Sciences*. 46 (2): 137-148. **IF:0.72**
- Vignesh, A., Selvakumar, S., & **Vasanth, K.** (2022). Comparative LC-MS analysis of bioactive compounds, antioxidants and antibacterial activity from leaf and callus extracts of *Saraca asoca*. *Phytomedicine Plus*, 2(1), 100167.

2021

- K Janani, KP Veerakumari, **K Vasanth**, & R Rakkiyappan (2021). Complex Pythagorean fuzzy Einstein Aggregation Operators in selecting the best breed of Horsegram *Expert Systems with Applications*, 115990. **IF:8.665**

- M Prasathkumar, K Raja, **K Vasanth**, A Khusro, & S Sadhasivam, (2021). Phytochemical screening and *in vitro* antibacterial, anti oxidant, anti-inflammatory, anti-diabetic and wound healing attributes of *Senna auriculata* (L) Roxb. leaves, *Arabian Journal of Chemistry* 14 (9), 103345. **IF:6.212**
- Vignesh A., Selvakumar S., & **Vasanth K.** (2021). Green synthesis and characterization of zinc oxide nanoparticles using *Berberis tinctoria* Lesch. leaves and fruits extract of multi-biological applications. *Nanomedicine Research Journal* 6(2): 1-20. **IF:1.139**
- Vignesh, A., Pradeepa Veerakumari, K., Selvakumar, S., Rakkiyappan, R., & **Vasanth, K.** (2021). Nutritional assessment, antioxidant, anti-inflammatory and antidiabetic potential of traditionally used wild plant, *Berberis tinctoria* Lesch. *Trends in Phytochemical Research*, 5(2), 71-92.
- Balamurugan V, Karthika P, DhandapaniG, Pradeepa Veerakumari K, & **Vasanth K** (2021), Plant regeneration from direct organogenesis of *Pandanus canaranus* Warb. an endemic medicinal plant. *Vegetos*, 34(2), 404-412.
- Raja K., Selvakumar S., Rakkiyappan R., Pradeepa Veerakumari K.& **Vasanth K.** (2021). Anti-proliferative phytoconstituents from *Striga angustifolia* (D. Don) C.J. Saldanha – An *in vitro* and in silico approach, *Phytomedicine Plus*, 2021, 100062.
- Karthi, M., Deepankumar, S., Vinithra, P., Gowtham, S., **Vasanth, K.**, Raj, P. P., & Selvakumar, S. (2021). Single nucleotide polymorphism in CD36: Correlation to peptide YY levels in obese and non-obese adults. *Clinical Nutrition*, 40(5), 2707-2715. **IF: 7.643**
- Subramanian, G., Shanmugamprema, D., Subramani, R., Muthuswamy, K., Ponnusamy, V., Tankay, K., Velusamy, T., & **Krishnan, V.** (2021). Anti-Obesity Effect of *T. Chebula* Fruit Extract on High Fat Diet Induced Obese Mice: A Possible Alternative Therapy. *Molecular Nutrition & Food Research*, 65(10), 2001224. **IF: 6.575**

2020

- Balamurugan V, Raja K, Selvakumar S, & **Vasanth K** (2020), Phytochemical screening, antioxidant, anti-diabetic and cytotoxic activity of leaves of *Pandanus canaranus* Warb, *Materials Today*:

Proceedings.

- Amal TC, Asif TT, Pradeepa VK, Rakkiyappan R, & **Vasanth K** (2020) Morphological traits of drought tolerant Horse gram germplasm: Classification through machine learning. *Journal of the Science of Food and Agriculture*. **IF: 4.125**
- Amal TC, Karthika P, Dhandapani G, Selvakumar S, & **Vasanth K** (2020) A simple and efficient *Agrobacterium*-mediated *In-planta* transformation protocol for Horse gram (*Macrotyloma uniflorum* Lam. Verdc.). *Journal of Genetic Engineering and Biotechnology*. 18: 9. **IF: 0.605**
- Deepankumar S., Karthi M., Gowtham S., Vinithra P., **Vasanth K.**, & Selvakumar S. (2020). [Fat taste signal transduction and its possible negative modulator components](#), *Progress in Lipid Research*, 101035 **IF:16.195**
- Amal TC, Karthika P, Balamurugan V, Shanmugam G, Selvakumar S, Sundararaj P & **Vasanth K** (2020), Effects of root-knot nematode inoculum densities on morphological and phytochemical analysis of selected horse gram germplasm. *Indian Journal of Agricultural Research*.2020. (54):708-715 **IF: 0.258**

2019

- Deepankumar S, Muthuswamy Karthi M, **Vasanth, K,** & Selvakumar S. (2019). Insights on modulators in perception of taste modalities –a review, *Nutrition Research Review*, **IF: 7.8**

2018

- Muthuswamy, K., Shanmugam Prema, D., **Krishnan, V.**, Pitchairaj, G., & Subramaniam, S. (2018). Differential intracellular localization of Hsp70 in the gill and heart tissue of fresh water prawn *Macrobrachium malcolmsonii* during thermal stress. *Molecular biology reports*, 45, 1321-1329. **IF: 2.742**

2016

- Jawahar S, Nafar A, **Vasanth K**, Musthafa MS, Arockiaraj J, Balasundaram C, & Harikrishnan R (2016). Dietary supplementation of Zeolite on growth performance, immunological role, and disease resistance in *Channa striatus* against *Aphanomyces invadans*. *Fish and Shellfish Immunology* 51: 161-

169. **IF: 4.58**

- Musthafa MS, Ali ARJ, Mohamed MJ, Jaleel MMA, Arun Kumar MS, Rani KU, **Vasanth K**, Arockiaraj J, Preetham E, Balasundaram C, & Hari Krishnan R (2016). Protective efficacy of Azomite enriched diet in *Oreochromis mossambicus* against *Aeromonas hydrophila*. *Aquaculture* 451: 310-315. **IF: 5.135**

2013

- Lashbrooke JG, Young PR, Dockrall SJ, **Vasanth K**, & Vivier MA (2013). Functional characterisation of three members of the *Vitis vinifera* L. carotenoid cleavage dioxygenase gene family. *BMC Plant Biology* 13:156. **IF: 5.26**

2011

- **Vasanth K**, & Vivier MA (2011). Optimization of improved cryopreservation procedure for long term storage synchronised culture of grapevine (*Vitis vinifera* L.). *Biologia Plantarum* 55:365-369. **IF: 1.79**

2007

- Muthusamy AK, **Vasanth K**, Sivasankari BR, Chandrasekar, & Jayabalan N (2007). Enhanced somatic embryogenesis and plant regeneration in groundnut (*Arachis hypogaea* L.) with *in vitro* mutagenesis. *Biologia Plantarum* 51(3):430-435. **IF: 1.79**

2006

- **Vasanth K**, Lakshmi Prabha A, & Jayabalan N (2006). Amino acid enhancing multiple shoot induction in peanut (*Arachis hypogaea* L.). *Indian Journal of Crop Science* 1:74-79. **IF: 0.37**

2005

- Muthusamy AK, **Vasanth K**, & Jayabalan N (2005). Induced high yielding mutants in cotton (*Gossypium hirsutum* L.). *Mutation Breeding Newsletter and Reviews* No.1:5.
- Muthusamy AK, **Vasanth K**, & Jayabalan N (2005). Responses of physiological and biochemical components in *Gossypium hirsutum* L. to mutagens. *Journal of Nuclear Agricultural Biology* 32(1):44-51.

- **Vasanth K**, & Jayabalan N (2005). Transformation parameters enhancing T-DNA expression in peanut (*Arachis hypogaea* L.). In: Plant Biotechnology, APH Publishers, New Delhi pp. 41-61.

2004

- Muthusamy AK, **Vasanth. K**, & Jayabalan N (2004). Induced twining and boll abnormalities in *Gossypium hirsutum* (L). *SAARC Jn. of Agri.* 2:167-173.
- Muthusamy. A, **Vasanth. K** & N. Jayabalan (2004). *In vitro* regeneration of cotton plants from shoot tip explants: a simple and alternative method. *Plant cell Biotechnology and Molecular Biology* 5(1- 2):15-20. **IF:0.26**
- **Vasanth. K**, A. Muthusamy and A. Lakshmi Prabha & N. Jayabalan (2004). *In vitro* plant regeneration and multiple shoot induction in peanut (*Arachis hypogaea* L.). *Plant cell Biotechnology and Molecular Biology* 5(3-4):89-94. **IF: 0.26**

2003

- **Vasanth. K**, A. Lakshmi Prabha, M. Jeyakumar & N. Jayabalan (2003). *In vitro* seed formation in *Panicum sumatrense* Roth ex Roem. et Schult (Little millet) *Physiology and Molecular Biology of Plants* 9 (2):291-294.
- Muthusamy. A, **Vasanth. K** & N. Jayabalan (2003). Responses of physiological and biochemical contents in *Gossypium hirsutum* L. to mutagens. *Journal of Nuclear Agriculture and Biology* 32 (1): 44 - 51.
- **Vasanth. K**, A. Lakshmi Prabha, M. Jayakumar, A. Muthusamy & N. Jayabalan (2003). *In vitro* plant regeneration from shoot tip explants of *Panicum sumatrense* Roth ex Roem. et Schult (Little millet). *Plant cell Biotechnology and Molecular Biology* 3 (4): 111-116.

2002

- **Vasanth. K** & N. Jayabalan (2002). Organogenesis in *Panicum sumatrense* Roth ex Roem. & Schult (Little Millet). *Indian Journal of Biotechnology*. 2:273-274, **IF 0.324**

Alumini Reflections: