

Dr. G. JAHIRHUSSAIN

Designation

ASSISTANT PROFESSOR OF BOTANY

Head of the Department of Nutrition and Dietetics(i/c)

Department

BOTANY



Qualifications

M.Sc. (Bot.), M.Sc. (Psy.), M.A. (Eng.),

M.A. (Crim. Pol. Sci.), M.A. (Socio.),

M.Phil. (Bot.), M.Phil. (Bio.tech),

ADCA., HDCA., PGDCA., APGDCA., Ph. D.

Date of Birth

19.05.1983

Date of Appointment

28.07.2015

Date of Joining in this College

04.11.2015

Date of Retirement

31.05.2043

Departmental Examination passed or not?

If passed furnish the details

YES. 152 - DECEMBER 2019

Orientation/ Refresher Attended with dates

1. **Orientation** : HRDC, BDU, Trichy from 15-11-2017 to 12-12-2017.

2. **Refresher Courses:**

(i) HRDC, BDU, Life Science (ID) from 16-07-2019 to 29-07-2019.

(ii) MHRD, Ramanujan College, University of Delhi, Delhi from 11-05-2021 to 25-05-2021.

Subject Specialization

: Angiosperm Taxonomy, Ecology and Plant Tissue Culture

Area of Research

: Plant Tissue Culture and Nano-Biotechnology

Swayam courses completed / ongoing :

Nil

Are you a Research Advisor for M.Phil/Ph.D ? :

Yes. Both M.Phil. and Ph.D.

No. of M.Phil/ Ph.D Produced and Guiding

Ph. D. Produced- 1; Guiding - 4

M. Phil. Produced- 5; Guiding- 1

M. Phil. Distance Education Mode - 38

Provide the title of the thesis/dissertation

1. M.Phil:

- (i) **N. GANESAN (16MBOP02)** - *In vitro* Mass Multiplication of *Bacopa monnieri* (L.) Pennell. - an Important Multipurpose Medicinal Herb.
- (ii) **T. GANGADEVI (16MBOP03)** - *In vitro* Mass Multiplication of *Physalis angulata* L. - an Important Medicinal Herb.
- (iii) **P. SUDHA KALYANI (18MBOF02)** - *In vitro* Revivification, Phytotomy, Preliminary Phytochemical Analysis and Antioxidant activities in *Heliotropium curassavicum* L.
- (iv) **T. GOKULAVANI (17MBOP01)** - *In vitro* Direct Regeneration of *Enicostemma littorale* Blume.- A potential Multipurpose Medicinal Herb.
- (v) **N. AKILA (19MBOP01)** - Comparative Phytochemical Analysis of *Annona squamosa* L. and *Annona muricata* L. - a valuable medicinal plant of Annonaceae

2. Ph.D:

- (i) **V. Tamilselvan** - A Comparative Pharmacological Re-evaluation of Anti-cancer Drugs in an Evidence Based *in vivo* and *in vitro* Systems in *Asystasia gangetica* (L.) T. Anderson.

Books Published

- | | |
|--|------------------------|
| 1. Thavarapperukkam (Tamil Version) | - ISBN: 9789380015026 |
| 2. Thavara Cell Amaippum Seyalum (Tamil Version) | - ISBN: 9789380015033. |
| 3. Plant Nomenclature (English Version) | - ISBN: 9789380015040. |
| 4. Elements of Cell Biology | - ISBN: 9788126147120. |
| 5. Elements of Cell and Molecular Biology | - ISBN: 9788126147083. |
| 6. Elements of Biotechnology | - ISBN: 9788126147069. |
| 7. Elements of Plant Physiology | -ISBN: 9788126147144. |
| 8. Elements of Environmental Chemistry | -ISBN: 9788126147106. |

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| 9. Elements of Photochemistry | -ISBN: 9788126149254. |
| 10. Tropical Vegetable Production | - ISBN: 9789380090481. |
| 11. Introduction to Plant Anatomy | - ISBN: 9788176115377. |
| 12. Microbiology Fungi & Plant Pathology | - ISBN: 9788176115384. |
| 13. Introduction to Plant Science | - ISBN: 9788176115759. |

No. of Research Papers Published in (with Impact factor, Scopus etc) 13

International Journals

1. **Jahirhussain G.**, Malaimuthu C., Velayutham P. (2010). *In vitro* Regeneration from the Shoot Tip of *Melia composita* willd. (syn. *Melia dubia* Heirn, not of cav.) an Important Multipurpose Tree. *Online journal of Biotechnology Research*. Vol. 1: 170-176.
2. **Jahirhussain G.**, Malaimuthu C., Velayutham P. (2010). Antiviral activity of *Melia composita* willd. (syn. *Melia dubia*) leaf extracts. *Online journal of Biotechnology Research*. Vol. 1: 182-18.
3. Padmapriya H., Karthikeyan A.V.P., **Jahirhussain G.**, Karthi C., Velayutham P. (2011). An efficient protocol for *in vitro* propagation of *Solanum nigrum* L. from nodal explants. *Journal of Agricultural Technology*. 7(4):1063-1073.
4. Velayutham P., Karthi C., Nalini P., **Jahirhussain G.** (2012). *In vitro* Regeneration and Mass Propagation of *Hybanthus enneaspermus* (L.) F. Muell. from the stem explants through callus culture. *Journal of Agricultural Technology*. 8(3):1119-1128.
5. **Jahirhussain G.**, Kala K., Alagumanian S., Muniappan V., Tamilselvan V., Rajkumar P. (2015). *In vitro* Micropropagation of *Coldenia procumbens* L. from nodal explants. *WJPR*. 4(12):1324-1336.
6. **Jahirhussain G.**, Kala K., Ayyappan P., Muniappan V., Tamilselvan V., Rajkumar P. (2015). Profiling the Secondary Chemical Class of *In vivo Melia composita* Willd. Leaf Using Ethanolic Fraction. *WJPR*. 4(12):1367-1376.
7. **Jahirhussain G.**, Parvathi S., Tamilselvan V., Muniappan V., Deepa K., Veerappan R. (2016). *In vitro* Shoot multiplication of *Physalis minima* L. - an Important Medicinal Herb. *J Ad App Sci Res*. pp 49-58.
8. **Jahirhussain G.**, Palanivel S., Tamilselvan V., Muniappan V., Deepa K., Veerappan R. (2016). *In vitro* Rapid Multiplication of *Coldenia procumbens* L. From Shoot Tip Explants. *J. Ad. App. Sci. Res*. pp 18-28.

9. Subbaiya S., Alagumanian S., **Jahirhussain G.**, Nagarajan T. (2015). *In vitro* Rapid Multiplication of *Solanum trilobatum* L. from Shoot Tip Explants. *WJPR*. 4(12): 1954-1969.
10. Nagarajan T., Alagumanian S., **Jahirhussain G.**, Subbaiya S. (2015). *In vitro* Mass Propagation of *Bacopa monnieri* (Linn.) Wettst from Nodal Explant - a Multipurpose Medicinal Plant. *WJPR*. 4(12): 1970-1982.
11. Alagumanian S., **Jahirhussain G.**, Rao M V. (2015). High Frequency Shoot Tip Multiplication and *Ex vitro* Rooting of *Centella asiatica* (L.) Urb. - An Industrial Medicinal Herb. *WJPR*. 4(12): 1983-1998.
12. Deepa K., Veerappan R., **Jahirhussain G.**, Tamilselvan V., Muniappan V. (2016). *In vitro* Micropropagation of *Hybanthus enneaspermus* (L.) F. Muell. from Shoot Tip Explant. *International Journal of Biosciences and Nanosciences*. 3 (5):80-83.
13. Rajkumar P., **Jahirhussain G.**, Karuniya Raja Viella G. (2021). Divulgence of morphological characteristics of IUCN red listed *Lindernia Antipoda* (L.) Alston –Linderniaceae. *International Journal of Botany Studies*. 6(3): 959-960.
14. **Jahirhussain G.**, Rajkumar P., Karuniya Raja Viella G. (2021). Resurgence Of Multiple Shoots From Photosynthetic Explant Of Red Listed *Lindernia Antipoda* (L.) Alston. *International Journal of Aquatic Science*. 12(03).

National Journals

1. Velayutham P., Jahirhussain G., Baskaran P.B. (2005). *In vitro* Plantlets formation from nodal explants of *Plumbago zeylanica* L., - an Important Medicinal Plant. *Journal of Swamy Botanical Club*. 22(3&4): 117-120.

Conferences/Workshops/Training

Programmes Organized

1. Conferences: **2**

Conferences/Workshops/Training Attended

1. Conferences: **35**

2. Workshops: **21**

3. Training Programmes: **1**

Seminars/Webinars /Symposium Organized

1.Nil

Seminars/Webinars/ Symposium Attended

1. International Seminars/webinars-

13

2. National Seminars/webinars -28

3. State Seminars -1

4. FDP-8

5. Symposium-2

Invited Talks

3

Papers Presented in Conferences

1. **Jahirhussain G.**, Murugesan K., Velayutham P., Muneeswaran C. (2005). **Plant regeneration from the nodal explants of *Plumbago zeylanica* L.** National Symposium on Emerging Trends in Biotechnology and Bioinformatics held at Thanthai Hans Roever College, Perambalur-621 212, Tamil Nadu, India during March 3-5, 2005. p. 124.

2. Velayutham P., Malaimuthu C., **Jahirhussain G.**, Hemavathi C. **Shoot regeneration from the leaf explants of *Encostemma axillare* (Lam.) A. Raynal.** National Level Seminar on Current Trends in Advanced Biological Research (CTAB) held at Nehru Arts and Science College, Coimbatore.

3. Karthi C., Velayutham P., **Jahirhussain G.** (2012). ***In vitro* Regeneration and Mass Propagation of *Hybanthus enneaspermus* (L.) F. Muell. from the stem explants through callus culture.** 11th National Level Biological Congress on Bioscientific Technologies: A Panacea for Human Health & Social Welfare. MCAS BIO 2012. Muthayammal College of Arts and Science, Rasipuram, Tamil Nadu. 6th & 7th January 2012. p. 30.

4. **Jahirhussain G.**, Velayutham P., Karthi C. (2012). **Micropropagation of *Melia composita* Willd. from the nodal explants.** 11th National Level Biological Congress on Bioscientific Technologies: A Panacea for Human Health & Social Welfare. MCAS BIO 2012. Muthayammal College of Arts and Science, Rasipuram, Tamil Nadu. 6th & 7th January 2012. p. 31.

5. **Jahirhussain G.**, Parvathi S., Tamilselvan V., Muniappan V., Deepa K., Veerappan R. (2016). ***In vitro* Shoot multiplication of *Physalis minima* L.- an important Medicinal Herb.** Jamal Mohammed College (Autonomous), Trichy, 24th February 2016.

6. **Jahirhussain G.**, Parvathi S., Tamilselvan V., Muniappan V., Deepa K., Veerappan R. (2016). ***In vitro* rapid multiplication of *Coldenia procumbens* L. from shoot tip explants.** Jamal Mohammed College (Autonomous), Trichy, February 2016.

7. **Jahirhussain G., Rajkumar P. (2017). *In vitro* Direct Regeneration of *Lindernia antipoda* (L.) Alston - An Important Medicinal Herb**, held at H.H. The Rajah's College (Autonomous), Pudukkottai, during 28th & 29th July 2017.
8. Surendra Dilip C., **Jahirhussain G., Rajendiran A., Alagumanian S. (2018). *Synthesis, structural characterization, Bio-potential efficiency and DNA cleavage applications of nicotinamide metal complexes***. Two days international conference on current trends in life sciences “medicinal plants and its therapeutics” held at Kandaswami Kandar's College (KKC), Namakkal on 7th & 8th August 2018.
9. **Jahirhussain G., Arulmanikandan P N., Karuniya Raja Viella G. (2018). *In vitro* Micropropagation Of *Physalis Pubescens* L. (HUSK TOMATO) through shoot tip explant**. Two days international conference on current trends in life sciences “medicinal plants and its therapeutics” held at Kandaswami Kandar's College (KKC), Namakkal on 7th & 8th August 2018.
10. **Jahirhussain G., Arulmanikandan P N., Sudha kalyani P., Deepa K. (2018). *In vitro* Micropropagation of *Physalis minima* L. from shoot tip explants**. Two days international conference on current trends in life sciences “medicinal plants and its therapeutics” held at Kandaswami Kandar's College (KKC), Namakkal on 7th & 8th August 2018.
11. **Jahirhussain G., Rajkumar P., Sneha R. Nawale. (2018). Effect of KIN on multiple shoot induction in *Lindernia antipoda* (L.) Alston from nodal explants**. Two days international conference on current trends in life sciences “medicinal plants and its therapeutics” held at Kandaswami Kandar's College (KKC), Namakkal on 7th & 8th August 2018.
12. **Jahirhussain G., Theriappan P., Kala K. *In vitro* shoot multiplication of *Hybanthus enneaspermus* (L.) F. Muell. from shoot tip explants**. Two days international conference on current trends in life sciences “medicinal plants and its therapeutics” held at Kandaswami Kandar's College (KKC), Namakkal on 7th & 8th August 2018.
13. **Jahirhussain G., Rajkumar P., Karuniya Raja Viella G. (2021). Resurgence of Multiple Shoots from Photosynthetic Explant of Red Listed *Lindernia antipoda* (L.) Alston**. International conference on recent innovation and interdisciplinary research at IARDO, Ghaziabad on 13th February 2021.
14. **Jahirhussain G., Karuniya Raja Viella G. (2021). Shoot Induction of Red Listed *Bacopa Monnieri* (L.) Pennell. Through Callogenesis**. Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEECH), Aufau Science Forum, Salem, India on 26TH & 27TH June 2021.

15. **Jahirhussain G., Rajkumar P.** (2021). **Qualified Investigation of Least Concerned *Lindernia Antipoda* (L.) Alston on Eidonomy.** Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEECH), Aufau Science Forum, Salem, India on 26TH & 27TH June 2021.
16. **Jahirhussain G., Dhinesh Kumar S., Parvathi S., Palanivel S.** (2021). ***In Vitro* Regeneration of *Physalis angulata* (L.)** Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEECH), Aufau Science Forum, Salem, India on 26TH & 27TH June 2021.
17. **Jahirhussain G., Deepa K.** (2021). ***In vitro* Mass Multiplication of *Mecardonia procumbens* (Mill.) Small Using Different Concentration of BAP.** Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEECH), Aufau Science Forum, Salem, India on 26TH & 27TH June 2021.
18. **Jahirhussain G., Duraiswamy M., Karuniya Raja Viella G., Alagumanian S.** ***In Vitro* Regeneration of *Cynoglossum Zeylanicum* (Vahl) Thunb. ex Lehm.** Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEECH), Aufau Science Forum, Salem, India on 26TH & 27TH June 2021.

AUTHOR PROFILE IN PUBLICATIONS DATABASES

Google Scholar	https://scholar.google.com/citations?user=ZaTb-NHK_B4C&hl=en
AuthorAID	https://www.authoraid.info/en/mentoring/contact/25056/
ResearchGate	https://www.researchgate.net/profile/G-Jahirhussain
ORCID iD	http://orcid.org/0000-0002-4523-0614
Academia.education	https://independent.academia.edu/JahirHussain18

Awards/Honors Received	<ol style="list-style-type: none"> 1. Best Senior Scientist Award - Novel Research Academy, Puduchery. 2. Academic Excellence Award 2021 for Young Scientist - IARDO, Ghaziabad. 3. Best Researcher Award - VD GOOD Technology Factory, Viluppuram, India. 4. ILRC Awards 2021 - Islamic Law and Research Council, Chennai.
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Administrative Position in the College at present

- (i) Students Anti-ragging committee Member
- (ii) Students Discipline committee Member
- (iii) College Internal Compliant Committee Member
- (iv) College Sports committee Member
- (v) Sports Quota Admission Committee Member
- (vi) Students General Admission Committee Member
- (vii) Minority Scholarship Institute Nodal Officer
- (viii) National Scholarship Portal Institute Nodal Officer
- (ix) College Infra structure development committee Member
- (x) College Magazine committee Member

Any other (if any)

Alison Online Course Equal to SWAYAM:

- (i) Diploma in Ecology Studies
- (ii) Diploma in Advanced Forest Management

Following online courses are completed from Commonwealth Of Learning, Canada:

- (i) Understanding Open Educational Resources (OER)
- (ii) Universal Design For Learning (UDL)
- (iii) Introduction To Microlearning
- (iv) Introduction To Learning Analytics: A Primer

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