

# Dr. R. D. Arun Raj

M. Sc., Ph.D.

Assistant Professor

Dept. of Botany

St. Dominic's College, Kanjirappally



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## PROFILE

A dedicated, resourceful, and fair-minded teacher, with a good academic background in Botanical studies, who always helps students to achieve deep knowledge in the subject, and supports colleagues and administration by creating an atmosphere of mutual respect and open communication. Also, having keen insight into the fresh trends in Plant science – able to design and coordinate research activities.

## RESEARCH INTERESTS

Ethnobotany and Phytochemistry: Documentation and biochemical analytical studies with the emphasis on nutraceutical potential of wild edibles and medicinal plants used by different ethnic cultures. Awarded a Ph.D. in Botany for the thesis entitled “**Studies on the wild edible fruits consumed by Kani tribe of Agasthyamalai Biosphere Reserve**”.

## PERSONAL DETAILS

Profile	: Male, 36, Single
Nationality	: Indian
Date of Birth	: 25.05.1985
Current Location	: Thiruvananthapuram, India
Father's Name	: P. Rajendran
Qualification	: M.Sc., Ph.D. in Botany
Permanent Address	: Anpin Bhavan, Mandapathinkadavu, Poozhanadu P. O. Thiruvananthapuram, Kerala. 695125

## CORE COMPETENCIES

- Excellent skill in teaching & subject expertise
- Proficiency in using different web platforms for online teaching and specific information search.
- Able to work in a team as well as using own initiative.
- Efficiency in time management.
- Excellent inter personnel skills
- Four years' experience in teaching
- Project Coordination & Designing
- Excellent skill in Botanical drawing & making study materials
- Expertise in handling MS office and Adobe Photoshop.

## ACADEMIC DETAILS

Course	Duration	University
<b>Ph.D. in Botany</b> <b>Title:</b> Studies on the wild edible fruits consumed by Kani tribe of Agasthyamalai Biosphere Reserve	2009 – 2016	M.S. University, Thirunelveli, Tamilnadu
<b>M.Sc. Botany</b> <b>Title:</b> An Ethnobotanical investigation and nutritive analysis of some wild edible fruits consumed by Kani tribe, South Kerala	2005-2007	University of Kerala, Thiruvananthapuram
<b>B.Sc. Botany</b>	2002 - 2005	University of Kerala, Thiruvananthapuram
<b>Higher secondary</b>	2000 - 2002	Board of Higher Secondary Education, Kerala
<b>S.S.L.C.</b>	2000	Board of Education, Govt. of Kerala

## EXPERIENCE

7<sup>th</sup> February 2022 – till date

Designation : Asst. Professor  
Department : Botany  
Institute : St. Dominic's College Kanjirappally, Kottayam.

9<sup>th</sup> October 2017 to 28<sup>th</sup> March 2018

2<sup>nd</sup> July 2018 to 29<sup>th</sup> March 2019

1<sup>st</sup> July 2019 to 31<sup>st</sup> March 2020

25<sup>th</sup> January 2021 to 31<sup>st</sup> March 2021

11<sup>th</sup> November 2021 to 04.02.2022

Designation : Asst. Professor (On contract)  
Department : Botany  
Institute : Christian College Kattakada, Thiruvananthapuram

December 2009 – November 2016

Designation : Research Scholar  
Institute : Scott Christian College & Research Centre, Nagercoil.

## PUBLICATIONS

- **Raj RDA, 2019.** Climbing species infestations on the roadside flora of Thiruvananthapuram city, Kerala, India: An inventory. *Int. J. Pharm. & Biol. Sci.* **9 (3):** 1290-1297; ISSN: 2321-3272.
- **Raj RDA, 2019.** Nutritional potential of *Salacia fruticosa* Wall. ex M.A. Lawson: An unexplored wild edible fruit plant. *The Pharma Innovation Journal* **8(2):** 688-692; ISSN: 2349-8242

- **Raj RDA, 2018.** Nutritional composition of fruits of *Alangium salviifolium*, ssp *Sundanum* (Miq.) Bloemp.: An underutilized edible fruit plant. *J Pharmacogn Phytochem.* **7(2)**: 3145-3148; ISSN: 2349-8234.
- **Raj RDA, Raja RDA, Appavoo MR, 2018.** Nutritional Evaluation of *Rubus glomeratus* Blume - A Wild Edible Fruit Consumed by Kani Population in Agasthyamala Biosphere Reserve. *Trends in Biosciences* **11(7)**: 1622-1627; ISSN: 0974-8431.
- **Raj RDA, Appavoo MR, 2014.** Ethnobotanical documentation of wild edible fruits used by Kani tribal community of Kilamalai Forest in Agasthyamalai Biosphere Reserve. *J Basic and Applied Biol.*, **7(1)**: 250 – 254; ISSN: 0973 – 8207.
- **Raj RDA, Appavoo MR, 2012.** Total monomeric anthocyanin composition of some underexploited fruits used by Kani tribal community of Agasthyamalai Biosphere Reserve. *J. plant dev. sci.* **4(4)**: 541-544; ISSN: 0974 – 6382.
- Jayakumar K, **Raj RDA, Raj C, Madhuri TG, 2011.** An insight into the nutritional aspects of the underexploited leafy vegetable, *Aniseia martinicensis* (Jacq.) Choisy, *J Basic and Applied Biol.* **5(4)**: 209-213; ISSN: 0973 – 8207.
- Jayakumar K, **Raj RDA, Raj C, Madhuri TG, Jeeva S, 2011.** Screening Ethanolic extracts of *Riccia billardieri* for Antibacterial activity, *J Basic and Applied Biol.* **5(3)**: 237 – 240; ISSN: 0973 – 8207.
- Jayakumar K, **Raj RDA, Raj C, Madhuri TG, 2011.** Antibacterial potency of the extract of a medicinal hydrophyte, *Vallisneria spiralis* L., *J Basic and Applied Biol.* **5(4)**: 206-208; ISSN: 0973 – 8207.
- Raja RDA, **Raj RDA, Remanibai R, Prakash JW, 2008.** The analytical estimation of ascorbic acid in some fruits and vegetables in different cooking methods, *Plant Archives* **8(1)**: 203-205; ISSN: 0972 – 5210.
- Jayakumar K, Nithyan S, **Raj RDA, Raj C, Remanibai, 2011.** Documentation of monochlamydous plants of Kunnathukal panchayat, Thiruvananthapuram district, Kerala, India, *J Basic and Applied Biol.* **5 (3&4)**: 214-219; ISSN: 0973 – 8207.
- Raja RDA, **Raj RDA, Prakash JW, 2007.** Study on some traditional antivenomous herbal treatments of Kani tribe in a part of Agasthya Forest, South Kerala, India, *Plant Archives* **7(2)**: 643-646; ISSN: 0972 – 5210.
- Raja RDA, Felix R, **Raj RDA, Pinky VR, Shermila A, Bijumon G, Mary S, Prakash J, Vinuba A, Jeevi H, Banu NL, Anderson NA, Prakash JW, 2006.** Wild Edible Fruits in Scott Christian College Campus, Nagercoil, Cape Comorin, Peninsular India. *J.Nat Con.* **18(2)**: 349-356; ISSN: 0970 – 5945.

## BOOKS & CHAPTERS

- **Raj R.D.A., Appavoo MR, Raja RDA, 2020.** Diversity and utilization of wild edible fruits in Agasthyamala Biosphere Reserve. In: Oommen V. Oommen, Laladhas K.P. and Erach Bharucha (ed.) Biodiversity and Livelihood: Lessons from Community Research in India. Bentham Science Publishers Ltd. Singapore. 256p. ISBN: 978-981-14-8307-3.

## SYMPOSIA & WORKSHOPS

- **Presented** a paper entitled “Nutritional Evaluation of *Rubus glomeratus* Blume - A Wild Edible Fruit Consumed by Kani Population in Agasthyamala Biosphere Reserve” in the Three-day National Seminar on Insight into the Interdisciplinary Perspectives of

Chemical and Biosciences Organized by Govt. Arts College, Thiruvananthapuram from 26<sup>th</sup> to 28<sup>th</sup> February 2018.

- **Presented** a paper entitled “Wild edible fruits consumed by Kani tribal community of Arukani Hills in Agasthyamalai Biosphere Reserve” in the National Seminar on Environment, Development and Sustainability with special reference to Biodiversity of Western Ghats organized by Organized by Departments of Botany & Zoology, Nirmalagiri College, Kannur on 23<sup>rd</sup> January 2015.
- **Presented** a paper in the National Seminar on Environment, Development and Sustainability with special reference to Biodiversity of Western Ghats organized by Organized by Departments of Botany & Zoology, Nirmalagiri College, Kannur on 23<sup>rd</sup> January 2015.
- Participated in the seminar on “Renewable Energy” organized by department of Botany and Research Centre, Scott Christian College (Autonomous), Nagercoil on 15<sup>th</sup> March 2010.
- Participated in the seminar on 30<sup>th</sup> June 2009, in connection with World environment day Celebrations organized by post graduate department of Botany, Christian college Kattakada in association with Kerala State Council for science, Technology and Environment.
- Participated in the seminar on ‘Recent trends in Life Science’ organized by post graduate department of Botany, Christian college Kattakada on 16<sup>th</sup> February 2006.
- Participated in a one-day seminar on Biotechnology organized by department of Botany, Christian college Kattakada on 13<sup>th</sup> June 2003.

## ARTICLES IN PROCEEDINGS

- **Raj RDA**, Appavoo MR, 2015. Total monomeric anthocyanin composition of some underexploited fruits used by Kani tribal community of Agasthyamalai Biosphere Reserve. In: Proceedings of the UGC sponsored National seminar on environment, development and sustainability with special reference to the biodiversity of Western ghats [25-28 January & 25,26 February 2015]. Organised by Departments of botany & Zoology, Nirmalagiri College, Kannur, Kerala.
- **Raj RDA**, Raja RDA, Appavoo MR, 2015. Wild edible fruits consumed by Kani tribal community of Arukani Hills in Agasthyamalai Biosphere Reserve In: In: Proceedings of the UGC sponsored National seminar on environment, development and sustainability with special reference to the biodiversity of Western ghats [25-28 January & 25,26 February 2015]. Organised by Departments of botany & Zoology, Nirmalagiri College, Kannur, Kerala.

## PEER REVIEW ACTIVITY

- Peer-Reviewer, *Vegetos*. An international hybrid open access Journal of Plant Research and Biotechnology; Springer. ISSN: 0970-4078.

## DECLARATION

I hereby declare that all the above furnished details are true to the best of my knowledge.

Date: June 04, 2022

Place: Trivandrum

Arun Raj R. D.