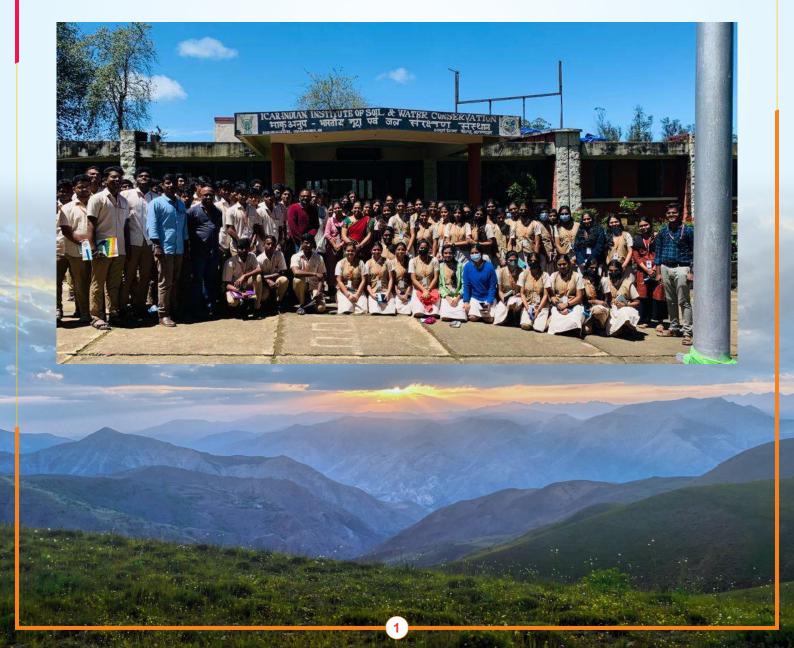


I. STUDENTS' ACTIVITIES

1. Exposure visit to Ooty

An exposure visit was organized for 2021 batch of students on 14.09.2022 by the course teachers Dr. G. Boopathi, Assistant Professor (Agrl. Engineering), Dr. M. Iniyakumar, Assistant Professor (Agrl. Microbiology), Dr. S. Parthasarathy (Plant Pathology) and Dr. D. Dhivyapriya, Assistant Professor (Genetics and Plant Breeding). Initially, the students visited the Indian Institute of Soil and Water Conservation, Ooty, as part of the course 19ENR111 Soil and Water Conservation Engineering. They were briefed about the objectives and mandates of the centre by Dr. A. Sudheer Kumar, Scientist. Then, the students were taken to the museum by Dr. S. M. Vanitha, Senior Scientist, where they were exposed to the historical data of soil losses that occurred in the hilly terrains of South India. Later, they were taken to the biofertilizer production unit of Horticultural Research Station, Tamil Nadu Agricultural University, Ooty, as part of their course 19AGM111 Agricultural Microbiology. Students were exposed to mass production techniques of different biofertilizers and biocontrol agents. Finally, they visited the IARI- Regional Wheat Research Station, Wellington, as part of their course 19GPB111 Fundamentals of Genetics and 19PAT111 Fundamentals of Plant Pathology. Dr. Vikas Venu Kumaran, Principal Scientist, Genetics and Plant Breeding, explained the importance, origin, varieties, and major diseases and their cycles of wheat and further demonstrated the morphological characteristics of different species of Wheat, Barley, Oats, and Rye.



2. Visit to Bnazrum Agro Exports

The 2019 batch of students were taken for an educational visit to Bnazrum Agro Exports (P) Ltd., Dindigul, on 21.10.2022, as part of their course 19HOR314 Postharvest Management and Value Addition of Fruits and Vegetables handled by Dr. Priya R. Bnazrum is a cent per cent export oriented unit that has been shipping top quality gherkins worldwide. It has been a Hazard Analysis Critical Control Point (HACCP)-certified unit since 2003.



3. Visit to Horticulture Research Station, Thadiyankudisai

As part of the course 19ENR311 Protected Cultivation and Secondary Agriculture, 2019 batch of students visited HRS, Thadiyankudisai, on 21 October 2022. This exposure visit assisted students in gaining valuable information on different protected cultivation techniques and new glazing materials for protected structures like laminated shade nets. This visit was organized by the course teachers Dr. V. Karuppasamy Vikraman and Dr. G. Boopathi.









4. Participation in Farmer's Meet 2022

Widening the exposure to various aspects of agriculture, the students from 2019, 2020, and 2021 batches were taken to participate in the Farmer's Meet 2022 organized by Coconut Development Board, TNAU, ICAR, Sugarcane Breeding Institute and Department of Agriculture and Farmers Welfare on 14 October 2022 at TNAU, Coimbatore. The visit provided the students with an experience to visualize and understand the newly developed technologies through the exhibition organized in the farmers' meet. Eye-opening and realistic information regarding the Farmer Producer Organizations (FPOs) clusters, the recent developments in the marketing of coconut, and its value addition were discussed by dignitaries such as Shri. Narendra Singh Tomar, Union Minister of Agriculture and Farmers Welfare, Hon'ble Minister of Agriculture and Farmers Welfare, Tamil Nadu M. R. K. Panneerselvam, Thiru. A. Annadurai, I.A.S, Agricultural Production Commissioner, Tamil Nadu, Chief Executive Officer, Coconut Development Board, etc. The visit was organized and facilitated by Dr. P. Sivaraj, Assistant Professor (Agricultural Extension).





5. Crop Cafeteria Establishment at ASA

Students of the ASA developed a crop cafeteria under the guidance of Dr. Yasodha M, Assistant Professor (Agronomy) which contained more than 25 crops in both the Kharif and Rabi seasons. This made it easier to conduct practical classes with live demonstrations for a better understanding of the growth and development of various crops. Students learned about techniques involved in various farm activities, starting from land preparation, seed treatments, sowing, fertilizer application, irrigation and weed management, assessment of maturity signs, harvesting of the crop, cost of cultivation and economics of crop, observations on growth and yield estimation.



6. Hydroponics in ASA

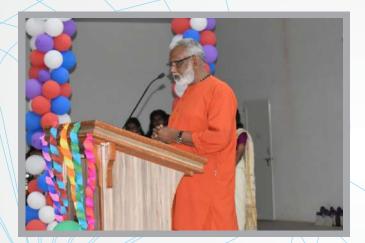
The 2021 batch students were given exposure on hydroponics for the course 19CRP111 Fundamentals of Crop Physiology by Dr. Jidhu Vaishnavi S. The seeds were first germinated in pro-trays and later transferred to a tray containing the respective solutions by making the seedlings adhere to the thermocol sheet so that roots would be submerged in the solution and shoot would be in the air. The seedlings were allowed to grow for one month. Meanwhile, interested students came forward every 2-3 days once and helped in changing the solution. The results were visually observed by the students during this period. This experiment was highly helpful to the students in observing the symptoms due to nutrient deficiencies in cowpea.



II. COLLEGE EVENTS

1. Onam Celebration and Prize Distribution

Students of ASA have celebrated Onam with a great zeal on 20 September 2022. The celebration was initiated with Chenda melam, Vamanan entry, Pookalam competition and Thiruvadhara dance. A feast was organized for all the students and faculties as part of the Onam celebration. The event started with lighting the lamp and Amma's Bhajan. Welcome address was given by Dr. Sudheesh Manalil, Principal and Head Research followed by the special speeches by Vedamrithananda Puri Swamiji and Prof. Sasangam Ramanathan, Dean, School of Engineering, Ettimadai. As part of the prize distribution, the chief guests presented awards for all the sports events, Amritholsavam'22, and NSS competitions. Later, felicitation was given by Dr. N. Udayasankar, Campus Director, ASA, and vote of thanks was given by Dr. Jidhu Vaishnavi, S. Cultural Coordinator.







The overall championship trophy (Games and Athletics) won by Prithvi House







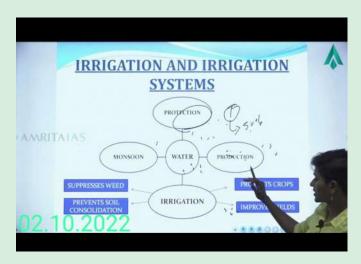












Irrigation - Where every drop count

2. ASA Civil Service Foundation Course

Broadening the exposure to distinct aspects of irrigation and irrigation systems, ASA Civil Service aspirants were taught the importance of irrigation. Also, they learned how it reduces dependence on monsoons and increases yield by having multiple crops throughout the year.

3. Induction and Orientation Programme for the 2022 batch

With Amma's grace and love, the induction program for the 2022 batch was held on 21 September 2022. To initiate the programme, the holy lamp was lit to mark the occasion. The new batch of students was exposed to Mata Amritanandamayi Devi's compassionate services and messages through a video presentation titled "Embracing the World". Dr. R Sureshkumar, Faculty Advisor (2022 batch), heartily greeted the students with the welcome address. Later, Dr. Sudheesh Manalil, Principal and Head Research, gave the keynote presentation to the students. The Campus Director, Dr. N. Udayasankar, addressed the gathering, followed by Dr. K. Sivasabari, Assistant Professor (Soil Science), who delivered the vote of thanks.



3.1 - Ice-breaking Session: Visit to Ooty

The 2022 batch students visited Ooty on 29 September 2022, as a first exposure visit. Initially, they visited Sims Park, Coonoor, and Government Botanic Garden, Ooty, for recreation. The group finally arrived at the boat house in the afternoon, where they spent the rest of their time having a blast with water sports, arcade games, horseback riding, and took away some incredible memories from the trip.



3.2 - Visit to Ettimadai Campus

First-year 2022 batch students visited Amrita Vishwa Vidyapeetham, Ettimadai main campus on 13 October 2022. They were exposed to crop fields in the morning to learn about several types of crop cultivation, including sunflowers, moringa, coconuts, lemon trees, bananas, and more. In the afternoon, the students were taken to campus tour, where they visited the main library with 81,000 square feet which contains approximately 85,000 volumes. The campus's swimming pool, tennis courts, basketball courts, badminton courts, and other sporting amenities were briefly described to them. The journey came to an end with the water harvesting unit, where students learned about the campus's water-saving system.



3.3 - Fresher's Day

ASA hosted a Fresher's Day celebration to welcome incoming students of 2022 batch, on 28 October 2022, to foster an environment conducive to learning, and inspire students to follow their passions. Dr. Sudheesh Manalil, Principal and Head Research, lit the ceremonial lamp. The Principal gave the introductory remarks, and a representative from each graduating year of ASA, gave a speech on behalf of all of their fellow classmates. Ared rose invitation and a great chance to introduce oneself on stage were extended to the new students. Along with that, all the faculty members introduced themselves and greeted the students. The cultural events began with a welcome dance, and variety of entertaining programs such as traditional, fusion, modern dances, and a magnificent singing performance were given by the students. Eventually, the momentous occasion ended with the national anthem.













Amrita School of Agricultural Sciences participated along with its students in various off-stage and online events of Gokulashtami at the Ettimadai campus. The theme selected for Gokulashtami 2022 was "Life incidents of Krishna". The float and the procession were prepared and organized to depict the life incidents of Krishna. Agroup of seven students was trained to depict their talents in playing Nasik Dhol, where the rhythm attracted the crowd and got applause from the audience. In the float, atrocities of Kamsa and sufferings of Devaki were brilliantly depicted by students. In between, Mohini Attam and peacock dance were performed gracefully by the students. The jail set-up changes in backdrop according to the theme was well executed. The final attraction was the appearance of Vishnu to kill Kamsa and save the world got the attention of all. At the allotted space in the Ettimadai campus, the campus was decorated with beautiful flowers and ornaments depicting Krishna's past times. For all the sustained efforts, Amrita School of Agricultural Sciences won the















































III. RESEARCH AND DEVELOPMENT

E4Life- Ph.D. Students Research Activities

On the 3rd and 19th of October 2022, a team from ASA, Dr. V.S. Manivasagam, Dr. Sivaraj P, and Mr. E. Manojkumar visited Sadivayal village and initiated organic rice cultivation activities with four different traditional and one commercial rice varieties comparison study for students in the E4LIFE International Ph.D. Programme in Sustainable Development.



IV. PUBLICATIONS

 Dr. Sivaraj P, Assistant Professor (Agricultural Extension), and Dr. Parthasarathy S, Assistant Professor (Plant Pathology), have published a research article entitled "A strategic model for empowering farmers by improving livelihood security through organic farming practices in Tamil Nadu, India". Journal of Agricultural Sciences – Sri Lanka, 17(3), Pp 471-483. http://doi.org/10.4038/jas.v17i3.9926

The Journal of Agricultural Sciences - Sri Lanka Vol. 17, No 3, September 2022. Pp 471-483 http://doi.org/10.4038/jas.v17i3.9926



A Strategic Model for Empowering Farmers by Improving Livelihood Security through Organic Farming Practices in Tamil Nadu, India

Sivaraj Paramasivam $^{1^{\star},2}$, Philip Henry 1 , Parthasarathy Seethapathy 2 and Thulasiram Rajamohan 3

Received: 19th November 2021 / Accepted: 11th July 2022

 Dr. S. Thirukkumar, Assistant Professor (Food Science), has published a research article entitled "Physico-chemical, structural, and functional properties of protein concentrate from selected pulses: A comparative study." Journal of Food Processing and Preservation, pp.1-12. https://doi.org/10.1111/jfpp.17169



3. **Dr. P. Naveen Kumar**, Assistant Professor (Agricultural Economics), has published a research article entitled "Land demand for food and cooking fuel-wood in India". Annals of Forest Research, pp 452-467. https://www.e-afr.org/afr/article/view/452.html#authors

Ann. For. Res. 65(1): 452-467, 2022 DOI: 10.5281/zenodo.7182236

ANNALS OF FOREST RESEARCH

https://www.e-afr.org/

LAND DEMAND FOR FOOD AND COOKING FUEL-WOOD IN INDIA

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²Assistant Professor, Department of Agricultural Economics, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham University, Coimbatore 642109, India.

³Assistant Professor, School of Agriculture, VELS University, Chennai, Tamil Nadu.

4. Dr. P. Naveen Kumar, Assistant Professor (Agricultural Economics), has published a research article entitled "Optimization of Meat and Poultry Farm Inventory Stock Using Data Analytics for Green Supply Chain Network". Discrete Dynamics in Nature and Society. https://doi.org/10.1155/2022/8970549

Hindawi Discrete Dynamics in Nature and Society Volume 2022, Article ID 8970549, 8 pages https://doi.org/10.1155/2022/8970549



Research Article

Optimization of Meat and Poultry Farm Inventory Stock Using Data Analytics for Green Supply Chain Network

Rajnish Kler , ¹ Roshan Gangurde , ² Samariddin Elmirzaev , ³ Md Shamim Hossain , ⁴ Nhut V. T. Vo , ⁵ Tien V. T. Nguyen , ⁶ and P. Naveen Kumar , ⁶

Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a research
article entitled "Studies on utilization and shelf life of Piper betel leaves added ghee-based low-fat spread'. Food
Analytical Methods. https://doi.org/10.1007/s12161-022-02400-5

Food Analytical Methods https://doi.org/10.1007/s12161-022-02400-5



Studies on Utilization and Shelf Life of *Piper betel* Leaves Added Ghee-Based Low-fat Spread

 $Dnyaneshwar \, Devrao \, Patange^1 \cdot Karan \, Sudarshan \, Pansare^2 \cdot Manoj \, Kumar^3 \cdot Arti \, Kumari^4 \cdot Dinkar \, Keshav \, Kamble^5 \cdot Deepak \, Chandran^6 \cdot Nikhil \, Babruvan \, Gaikwad^7 \cdot Roji \, Waghmare^8 \cdot Radha^9 \cdot Jose \, M. \, Lorenzo^{10,11}$

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Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article
entitled "Exposure of metal toxicity in Alzheimer's disease: An extensive review". Frontiers in Pharmacology. 13:
903099. https://doi.org/10.3389/fphar.2022.903099



TYPE Review
PUBLISHED 29 August 2022
DOI 10.3389/fphar.2022.903099



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Exposure of metal toxicity in Alzheimer's disease: An extensive review

Fahadul Islam^{1†}, Sheikh Shohag^{2†}, Shomaya Akhter², Md. Rezaul Islam¹, Sharifa Sultana¹, Saikat Mitra³, Deepak Chandran⁴, Mayeen Uddin Khandaker⁵, Ghulam Md Ashraf^{6,7*}, Abubakr M. Idris^{8,9*}, Talha Bin Emran^{10*} and Simona Cavalu^{11*} 7. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article entitled "Multifunctional roles and pharmacological potential of β-sitosterol: Emerging evidence toward clinical applications". Chemico-Biological Interactions. 365: 110117. http://dx.doi.org/10.1016/j.cbi.2022.110117

Chemico-Biological Interactions 365 (2022) 110117



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Chemico-Biological Interactions

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Review Article

Multifunctional roles and pharmacological potential of β -sitosterol: Emerging evidence toward clinical applications



Zidan Khan a, Nikhil Nath a, Abdur Rauf b, a, Talha Bin Emran c,d, a, Saikat Mitra e, Fahadul Islam d, Deepak Chandran f, Jackie Barua g, Mayeen Uddin Khandaker h, , Polrat Wilairatana k, Muthu Thiruvengadam l,m, Abubakr M. Idris 1,1,1

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- Department of Veterinary Sciences and Animal Husbandry, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham University, Coimbatore, Tamil Nadu, 642109, India

8. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a correspondence article entitled "Monkeypox vaccines and vaccination strategies: Current knowledge and advances. An update - Correspondence". International Journal of Surgery. 105(2022): 106869p. https://doi.org/10.1016/j.ijsu.2022.106869

International Journal of Surgery 105 (2022) 106869



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International Journal of Surgery

journal homepage: www.elsevier.com/locate/ijsu



Correspondence

Monkeypox vaccines and vaccination strategies: Current knowledge and advances. An update Correspondence

9. Dr. Deepak Chandran, Dr. Sureshkumar R, Dr. Yasodha M, Dr. Marthandan V, Dr. Sabareeshwari V, Assistant Professors, and Ms. Keerthana Krishna Kumar, SRF have published a review article entitled "Botanicals and oral stem cell-mediated regeneration: A paradigm shift from artificial to biological replacement". MDPI – Cells. 11: 2792p. https://doi.org/10.3390/cells11182792





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Botanicals and Oral Stem Cell Mediated Regeneration: A Paradigm Shift from Artificial to Biological Replacement

Anami Ahuja ^{1,2}, Pankaj Kumar Tyagi ³, Manoj Kumar ^{4,*}, Naveen Sharma ⁵, Suraj Prakash ⁶, Radha ⁶, Deepak Chandran ⁷, Sangram Dhumal ^{8,*}, Nadeem Rais ⁹, Surinder Singh ¹⁰, Abhijit Dey ¹¹, Marisennayya Senapathy ¹², Lejaniya Abdul Kalam Saleena ¹³, Arjun Shanavas ¹⁴, Pran Mohankumar ¹⁵, Sureshkumar Rajalingam ¹⁶, Yasodha Murugesan ¹⁶, Marthandan Vishvanathan ¹⁷, Sangeetha Kizhakkumkara Sathyaseelan ¹⁸, Sabareeshwari Viswanathan ¹⁹, Keerthana Krishna Kumar ¹⁹, Suman Natta ²⁰ and Mohamed Mekhemar ^{21,*}

10. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a correspondence article entitled "Langya virus, a newly identified Henipavirus in China - Zoonotic pathogen causing febrile illness in humans, and its health concerns: Current knowledge and counteracting strategies – Correspondence". International Journal of Surgery. 105(2022): 106882p. https://doi.org/10.1016/j.ijsu.2022.106882

International Journal of Surgery 105 (2022) 106882

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International Journal of Surgery



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Correspondence

Langya virus, a newly identified Henipavirus in China - Zoonotic pathogen causing febrile illness in humans, and its health concerns: Current knowledge and counteracting strategies - Correspondence

11. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a correspondence article entitled "Sexual transmission of recently re-emerged deadly Marburg virus (MARV) needs explorative studies and due attention for its prevention and feasible spread – Correspondence. Elsevier – International Journal of Surgery (ISSN: 1743-9191). 106(2022): 106884p. https://doi.org/10.1016/j.ijsu.2022.106884

International Journal of Surgery 106 (2022) 106884



Contents lists available at ScienceDirect

International Journal of Surgery





Correspondence

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12. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article entitled "Dairy waste management: A narrative review on current knowledge". The Indian Veterinary Journal. 99(8): 7-19.

Indian Vet. J., August 2022, 99 (08): 07 - 19

Dairy Waste Management : A Narrative Review on Current Knowledge

Anand T. S.¹, Hamna Vahab¹, Deepak Chandran², Arjun Shanavas³, Manoj Kumar⁴, Firzan Nainu⁵, Bagath M.⁶, Pran Mohankumar⁷, Ranjan K. Mohapatra⁸, Sandip Chakraborty⁹, Mahmoud Alagawany¹⁰, and Kuldeep Dhama^{11*}

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³Division of Veterinary Medicine, ICAR-Indian Veterinary Research Institute, Bareilly, Uttar Pradesh, India – 243122.

13. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article entitled "Aegle marmelos (L.) correa: An underutilized fruit with high nutraceutical values: A review". International Journal of Molecular Sciences. 23: 10889p. https://doi.org/10.3390/ijms231810889





Review

Aegle marmelos (L.) Correa: An Underutilized Fruit with High Nutraceutical Values: A Review

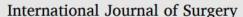
Niharika Sharma ¹, Radha ¹, Manoj Kumar ^{2,3}, Baohong Zhang ³, Neeraj Kumari ¹, Daljeet Singh ¹, Deepak Chandran ⁴, Tanmay Sarkar ⁵, Sangram Dhumal ⁶, Vijay Sheri ³, Abhijit Dey ⁷, Sureshkumar Rajalingam ⁸, Sabareeshwari Viswanathan ⁹, Pran Mohankumar ¹⁰, Marthandan Vishvanathan ¹¹, Sangeetha Kizhakkumkara Sathyaseelan ¹² and Jose M. Lorenzo ^{13,14},*

14. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a correspondence article entitled "Recent outbreaks of West Nile Virus (WNV) in the United States of America and European countries; current scenario and counteracting prospects – Correspondence". International Journal of Surgery. 106(2022): 106946p. https://doi.org/10.1016/j.ijsu.2022.106946

International Journal of Surgery 106 (2022) 106946



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journal homepage: www.elsevier.com/locate/ijsu

Correspondence

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15. Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a correspondence article entitled "Zoonotic concerns of Marburg virus: Current knowledge and counteracting strategies including One Health approach to limit animal-human interfacem8: An update". International Journal of Surgery. 106(2022): 106941p. https://doi.org/10.1016/j.ijsu.2022.106941

International Journal of Surgery 106 (2022) 106941



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Correspondence

Zoonotic concerns of Marburg virus: Current knowledge and counteracting strategies including One Health approach to limit animal-human interface: An update

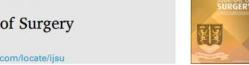
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Correspondence

Recent re-emergence of Marburg virus disease in an African country Ghana after Guinea amid the ongoing COVID-19 pandemic: Another global threat? Current knowledge and strategies to tackle this highly deadly disease having feasible pandemic potential

17. **Dr. Deepak Chandran**, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article entitled "Eryngium caeruleum: An update on ethnobotany, phytochemistry and biomedical applications". Chinese Medicine. 17: 114p. https://doi.org/10.1186/s13020-022-00672-x

Konovalov et al. Chinese Medicine (2022) 17:114 https://doi.org/10.1186/s13020-022-00672-x

Chinese Medicine

REVIEW Open Access



Eryngium caeruleum: an update on ethnobotany, phytochemistry and biomedical applications

Dmitryi Alexeevich Konovalov¹, Edgardo Avendaño Cáceres², Ekaterina Aleksandrovna Shcherbakova¹, Jesús Herrera-Bravo^{3,4}, Deepak Chandran⁵, Miquel Martorell^{6,7}, Muzaffar Hasan⁸, Manoj Kumar⁹, Saad Bakrim¹⁰, Abdelhakim Bouyahya¹¹, William C. Cho¹², Javad Sharifi-Rad^{13*}, Hafiz A. R. Suleria¹⁴ and Daniela Calina^{15*}

 Dr. Deepak Chandran, Assistant Professor (Veterinary Sciences and Animal Husbandry), has published a review article entitled "Recent advances in respiratory diseases: Dietary carotenoids as choice of therapeutics". Biomedicine & Pharmacotherapy. 155: 113786p. https://doi.org/10.1016/j.biopha.2022.113786

Biomedicine & Pharmacotherapy 155 (2022) 113786



Contents lists available at ScienceDirect

Biomedicine & Pharmacotherapy



journal homepage: www.elsevier.com/locate/biopha

Review

Recent advances in respiratory diseases: Dietary carotenoids as choice of therapeutics

Fahadul Islam ^{a, 1}, Maniza Muni ^{b, 1}, Saikat Mitra ^b, Talha Bin Emran ^{a, c}, Deepak Chandran ^d, Rajib Das ^b, Abdur Rauf ^{e, *}, Sher Zaman Safi ^{f, g}, Kumarappan Chidambaram ^h, Manish Dhawan ^{i, j}, Chunhoo Cheon ^k, Bonglee Kim ^{l, *}

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 ^d Department of Veterinary Sciences and Animal Husbandry, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham University, Coimbatore, Tamil Nadu

19. Dr. Deepak Chandran and Dr. Sabareeshwari V, Assistant Professors, have published a review article entitled "Cottonseed oil: Extraction, characterization, health benefits, safety profile, and application". Food Analytical Methods. http://dx.doi.org/10.1007/s12161-022-02410-3

Food Analytical Methods https://doi.org/10.1007/s12161-022-02410-3



Cottonseed Oil: Extraction, Characterization, Health Benefits, Safety Profile, and Application

Manoj Kumar^{1,2} · Baohong Zhang² · Jayashree Potkule^{1,15} · Kanika Sharma¹ · Radha³ · Christophe Hano⁴ · Vijay Sheri² · Deepak Chandran⁵ · Sangram Dhumal⁶ · Abhijit Dey⁷ · Nadeem Rais⁸ · Marisennayya Senapathy⁹ · Suman Natta¹⁰ · Sabareeshwari Viswanathan¹¹ · Pran Mohankumar¹² · José M. Lorenzo^{13,14}

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20. Dr. Deepak Chandran and Dr. Marthandan V, Assistant Professors, have published a review article entitled "Seed waste from custard apple (Annona squamosa L.): A comprehensive insight on bioactive compounds, health promoting activity and safety profile". Processes. 10: 2119. https://doi.org/10.3390/pr10102119





Seed Waste from Custard Apple (Annona squamosa L.): A Comprehensive Insight on Bioactive Compounds, Health **Promoting Activity and Safety Profile**

Neeraj Kumari 10, Suraj Prakash 10, Manoj Kumar 2,3,*0, Radha 1,*, Baohong Zhang 30, Vijay Sheri 30, Nadeem Rais 40, Deepak Chandran 50, Abhijit Dey 60, Tanmay Sarkar 70, Sangram Dhumal 80, Sunil Kumar 9, Dipendra Kumar Mahato 100, Marthandan Vishvanathan 11, Pran Mohankumar 120, Mirian Pateiro 13,*0 and José M. Lorenzo 13,1400

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21. **Dr. Deepak Chandran** and **Dr. Sureshkumar R**, Assistant Professors, have published a review article entitled "Jamun (Syzygium cumini (L.) Skeels) seed: A review on nutritional profile, functional food properties, health-promoting applications, and safety aspects. Processes. 10: 2119. https://doi.org/10.3390/pr10112169





Review

Jamun (Syzygium cumini (L.) Skeels) Seed: A Review on Nutritional Profile, Functional Food Properties, Health-Promoting Applications, and Safety Aspects

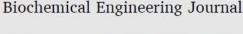
Manoj Kumar ^{1,2,*}, Baohong Zhang ², Jyoti Nishad ³, Aman Verma ⁴, Vijay Sheri ², Sangram Dhumal ⁵, Radha ⁶, Niharika Sharma ⁶, Deepak Chandran ⁷, Marisennayya Senapathy ⁸, Abhijit Dey ⁹, Sureshkumar Rajalingam ¹⁰, Muthamiselvan Muthukumar ¹¹, Pran Mohankumar ¹², Ryszard Amarowicz ¹³, Mirian Pateiro ^{14,*}, and José M. Lorenzo ^{14,15}

22. Dr. M. Iniyakumar, Assistant Professor (Agricultural Microbiology), has published a review article entitled "Impact of microalgal cell wall biology on downstream processing and nutrient removal for fuels and value-added products" Elsevier-Biochemical Engineering Journal 187: 108642. https://doi.org/10.1016/j.bej.2022.108642

Biochemical Engineering Journal 187 (2022) 108642



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Impact of microalgal cell wall biology on downstream processing and nutrient removal for fuels and value-added products

Karuppaiyan Jothibasu ^a, Iniyakumar Muniraj ^b, Tharunkumar Jayakumar ^c, Bobita Ray ^c, D.W. Dhar ^d, Subburamu Karthikeyan ^e, Suchitra Rakesh ^c, ^{*}

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- d School of Agricultural Sciences, Sharda University, Greater Noida, Uttar Pradesh 201310, India
- ^a Biomass Refining Lab, Department of Renewable Energy Engineering, Tamil Nadu Agricultural University, Coimbatore, India

23. Ms. Manuvanthra A (III year student), Dr. Deepak Chandran, and Dr. Sureshkumar R, Assistant Professors, have published a review article entitled "Dryland livestock rearing relies heavily on tree fodders: A narrative review". The Indian Veterinary Journal. 99(12): 7-15.

Indian Vet. J., October 2022, 99 (10): 07 - 15

Dryland Livestock Rearing Relies Heavily on Tree fodders: A Narrative Review

Manuvanthra, A1, Deepak Chandran1, Talha Bin Emran2,3, Muhammad Aslam, M K4, Vishnu Savanth, V4, Manoj Kumar⁵, Rohit Sharma⁶, Luiz Everson da Silva⁷, Pran, M⁸, Lishma, N P⁹ and Sureshkumar, R^{1*}

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24. Ms. Nanda Vinod, Ms. Sreelakshmi K S, Ms. Neha A R, Ms. Mekha Soman, Third-year students, Dr. Sudheesh Manalil, Principal, Dr. Marthandan V, Dr. Deepak Chandran, Dr. Naveen Kumar P, Dr. Sabareeshwari V, Dr. Sureshkumar R, Assistant Professors, and Ms. Keerthana Krishna Kumar, SRF have published a review article entitled "Beneficial health effects of cumin (Cuminum cyminum) seeds upon incorporation as a potential feed additive in livestock and poultry: A mini-review". Journal of Experimental Biology and Agricultural Sciences. 10(5): 912-921. http://dx.doi.org/10.18006/2022.10(5).912.921

Journal of Experimental Biology and Agricultural Sciences, October - 2022; Volume - 10(5) page 912 - 921





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Beneficial health effects of cumin (Cuminum cyminum) seeds upon incorporation as a potential feed additive in livestock and poultry: A mini-review

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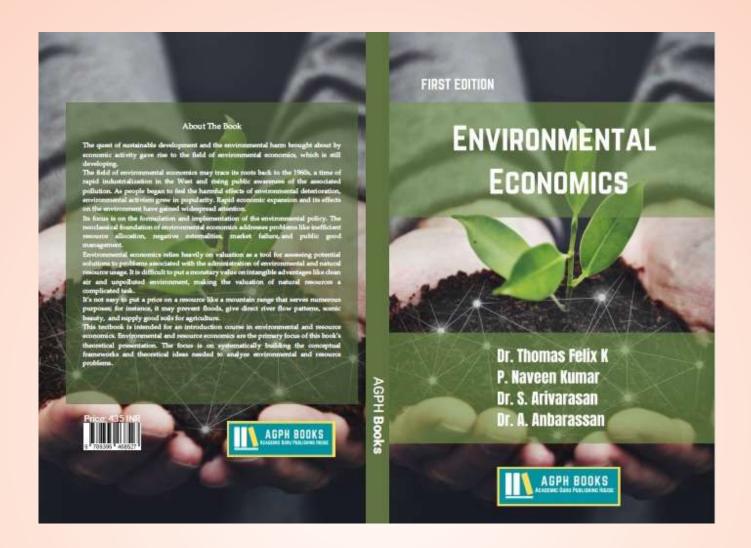
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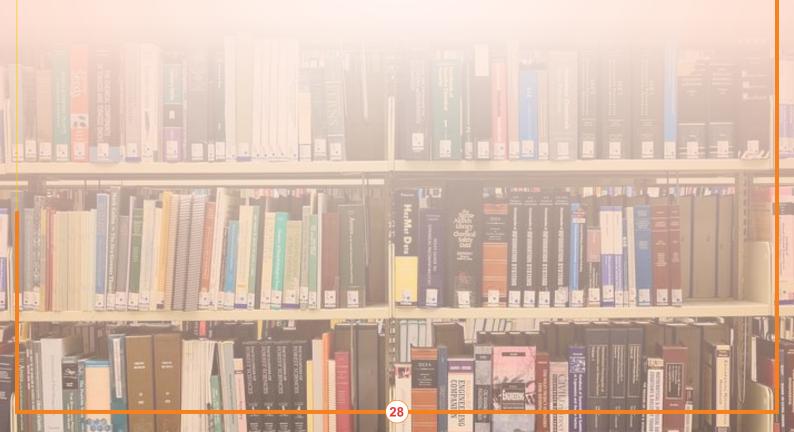
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25. **Dr. P. Naveen Kumar**, Assistant Professor (Agricultural Economics), has published a textbook entitled "Environmental Economics", Academic Guru Publishing House, ISBN – 978-93-95468-52-7.







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