

FACULTY PROFILE

Name of the Faculty : Dr. Nivedita Sharma
Designation : Assistant Professor
Name of the Department/Centre of study : Department of Allied & Applied Science
Permanent Address : Ruia Dharmshala, Kankhal, Haridwar
Communication Address : Ruia Dharmshala, Kankhal, Haridwar
Email id : maliknivedita8730@gmail.com
Mobile No : 9634676792
Aadhar Number : 915186503227
PAN Number : CDYPM4082K
Date of joining : 17/12/20
Work Experience : 01 Year
Topic of Research/ Area of specialization : Plant Pathology
Courses Taught : Cell Biology, Microbiology, Genetics, Plant Physiology, Evolution, Diet & Nutrition, Disease Specific Pathology, Biodiversity
Post Doctoral Achievements (If any) : NA
➤ **Achievements (If any)** : Coordinated the one day District Level Cluster Workshop for **Swachh Action Plan Orientation** of HOIs and Principals of all Higher Education Institutions in District Haridwar on 18th Sep, 2021.

Faculty serving in : National committees
International committees
Editorial Boards
Any other

Profile Summary:

Teaching Experience:

- Working as an Assistant Professor in Department of Allied & Applied Science from December 17, 2020 in **University of Patanjali, Haridwar**.

PROFORMA II

Research projects- NA

Academic Year	Name of the Project	Nature of the project	Name of the funding agency	Amount	Duration	Year

Awards for Innovation won by Teachers-NA

Academic Year	Title of the innovation	Awarding Agency	Date of Award

PhD's Proudced- NA

Academic	Name of	Register	Departme	Phd	Title of	Date of Award
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Year	the scholar	Number	nt of the scholar	registratio n year	the Phd thesis.	

Details of ongoing Research scholars NA

Academic Year	Name of the scholar	Register Number	Topic	Department of the scholar	PhD Registraion year

Honours and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year)

Academic Year	Year of award	Name of the award/ fellowship/recognition received from Government or recognized bodies	Type of Award

Awards for creative writings, patents/copy right generated- NA

Academic Year	Name of the Patent/copy right/creative writing	Year of publication in the reputed press	year of award

Consultancy project- NA

Academic Year	Name of the Consultancy project	Consulting/Sponsoring agency with contact details	Year	revenue generat

Books written during the Year

Academic Year	Tittle of the book	Type	Name of the Publisher	Date of publication	ISBN

Chapters in Book

Academic Year	Title of the chapter	Title of the Book	Author of the book	Publisher Name	Date of Publication	ISBN
2021	Seabuckthorn: an Emerging Horticultural Crop of India	“Trends in Agriculture: Traditional and Modern Approaches.	Akshat Uniyal and Isha Sharma	M/S Agrobios Research	2021	9788194923794

Journal- NA

Academic Year	Title	Journal Name	Year	ISSN No	Type

Conference Proceeding- NA

Academic Year	Name of research paper	Conference Name	Year	ISSN/ISBN No	Type

Faculty participation in print and visual media

Academic Year	Year	Title of the programme/Article	Uploaded documents

Details of Seminars/ Conferences/Workshops attended

Academic Year	Year	Name of seminar	Date	Status	Level	Title of the paper
Dec, 2020- June 2021	2021	Safe Campus Program	25-27th Feb, 2021	Association of Indian Universities and Martha Farrell Foundation	National	NA
Dec, 2020- June 2021	2021	Integration of Traditional Medicinal System with Modern Science: Relevance,	11-13th March, 2021	Patanjali Research Institute and Uttarakhand State Council of Science & Technology.	National	NA

Dec, 2020- June 2021	2021	Challenges and Future Perspectives International Yoga Webinar	15-21 June, 2021	University of Patanjali	International	Seabuckthorn berry: an opportunity to rejuvenation in Ayurveda.
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Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year- NA

Academic Year	Year	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support	Funding Agency	Sanction order

Teachers attending professional development programmes, viz., Orientation programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year- NA

Academic Year	Name of the Programme	Nature of the Programme	Date and Duration(from)	Date and Duration(to)



Congratulations

Dr. Nivedita Sharma

For your successful completion of the Association of Indian Universities and Martha Farrell Foundation
Safe Campus Program held from 25th February -27th February 2021

Nandita Pradhan Bhatt
Director
Martha Farrell Foundation

Dr. Rama Devi Pani
Editor, University News,
Association of Indian Universities





अन्तर्राष्ट्रीय योग दिवस 2021 के उपलक्ष्य में अन्तर्राष्ट्रीय योग सप्ताह

15 से 21 जून 2021

मा. कुलाधिपति परम पूज्य योगगुरुषु स्वामी रामदेव जी महाराज एवं मा. कुलपति परम श्रेष्ठेय आयुर्वेद शिरोमणि आचार्य बालकृष्ण जी महाराज के पावन आशीर्वाद एवं सद्प्रेरणा से

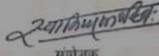
पतंजलि विश्वविद्यालय परिवार द्वारा 7वें अंतर्राष्ट्रीय योग दिवस के उपलक्ष्य में आयोजित

7 दिवसीय अन्तर्राष्ट्रीय योग संगोष्ठी (Online)

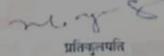
प्रमाण-पत्र

में श्रीमान/श्रीमती/सुश्री डॉ. निवेदिता जी (सहायक प्राध्यापिका, जैविक विज्ञान विभाग पतंजलि विश्वविद्यालय, हरिद्वार) ने दिनांक 17 जून, 2021, को आयुर्वेद में कायाकल्प अनुप्रयोग के रूप में- सी ब्रकथॉर्न बेरी विषय में वक्ता के रूप में सारगर्भित प्रबोधन देकर सभी का ज्ञानवर्धन किया।

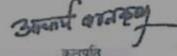
पतंजलि विश्वविद्यालय परिवार आपके द्वारा दिये गये बहुमूल्य समय के लिए आभार प्रकट करता है तथा आपके योगमय यशस्वी व उज्ज्वल भविष्य की कामना करता है।



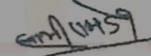
संयोजक
स्वामी परमार्थदेव



प्रतिकूलपति
महावीर अग्रवाल



कुलपति
आचार्य बालकृष्ण



कुलाधिपति
स्वामी रामदेव



17. Seabuckthorn: An Emerging Horticultural Crop of India

Nivedita Sharma

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ABSTRACT

Seabuckthorn (*Hippophae* spp. L.) is an ecologically as well as economically wonder plant that is hardy and drought tolerant and can withstand extreme temperatures from 43°C to +43°C. Seabuckthorn berries are among the most nutritious of all fruits. The medicinal property of this magical plant was mentioned in the ancient writings of Greek literature. Seabuckthorn grows naturally in cold and high-altitude areas of India. Berry collection has become an important income-generating source. The period of collection is short but the output is high. Acceptance and marketability of seabuckthorn, as an income-generating source, can be evaluated from the increase in the price of the fresh berry from Rs. 8 per kg in the year 2001 to Rs. 45 per kg in 2017. There are enough opportunities that this hidden treasure of the Himalayas can bring in the livelihoods of the people living in high mountains. Cultivation and commercialisation of seabuckthorn have the budding potential for sustainable development in trans-Himalayan regions of India.

Keywords: Berry, Cultivation, Medicinal, Nutritious, Wonder

1. Introduction

Genus *Hippophae* Linn. also known as Seabuckthorn or magical berry is a shrub that belongs to the family Elaeagnaceae. In ancient Greece, leaves of seabuckthorn were mixed in the fodder and given to the horses which help in their weight gain and a shiny coat also. The generic name *Hippophae* is derived from the Latin word 'Hippo' means horse and 'phaos' means to shine (Rongsen, 1992).

Seabuckthorn is a dioecious and deciduous hardy shrub/tree which is usually spinescent with yellow or orange berries (Bailey and Bailey, 1978). The plant is fast-growing, frost and wind-resistant with brown or black rough bark and a thick greyish-green crown. Leaves are alternate, narrow and lanceolate with a silver-grey colour on the upper side (Synge, 1974). Seabuckthorn can withstand extreme climate including high altitude, drought-resistant salinity

