



CHANDRAKANTI RAMAWATI DEVI ARYA MAHILA P.G. COLLEGE

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Variability Studies in Seed Characteristics of *Ulmusvillosa* Brandis collected from Different Sources in Kashmir Valley of J&K U.T

Mubariz Mehak, Aashfaq A. Mir, P.A Khan, Maqbool Rather, M-A Islam and Nageena Nazir
Division of Forest Biology and Tree Improvement, Faculty of Forestry SKUAST-K

ABSTRACT

The aim of the study was to examine the variation in *Ulmusvillosa* Brandis seed sources. Seeds were collected from trees in fifteen randomly selected sites across five districts in Kashmir. One tree of uniform age was selected from each site using the check tree method. The study found significant differences in seed morphology (size, weight, and the average number of filled and empty seeds) and seed germination parameters (germination percent, mean daily germination, peak value, germination energy, and germination value) among different seed sources. The results showed that seeds collected from Bijbehara-Anantnag had the highest mean values for length (12.91mm), width (4.72mm), weight (5.62g), and the average number of filled seeds (7.50). The highest number of empty seeds per cluster was observed in the Anchidora-Anantnag site (8.50). Seeds from Bijbehara-Anantnag also had the highest germination percentage (84.30%), mean daily germination (3.01), peak value (3.78), germination energy (56.64), and germination value (11.37). The study also found considerable variability in phenotypic and genotypic variance, their coefficient, and narrow sense heritability. The germination value exhibited the highest phenotypic and genotypic coefficient of variance (61.29 and 56.06, respectively), while the seed length had the lowest values for both (7.77 and 6.21, respectively). Narrow sense heritability was high for all the characters, with the maximum value for seed weight and the average number of filled seeds being 77.1%. Germination energy had the lowest heritability (61%). Genetic advance was highest in seed germination percentage (16.03), while mean daily germination had the highest values of genetic gain (65.83). Furthermore, a correlation study was conducted among the different traits studied during the investigation, revealing that most seed traits (length, width, weight) were positively correlated with corresponding germination traits (percentage, energy, value, peak, mean daily germination).

Keywords: *Ulmusvillosa*, Seed source, Variability, Kashmir

Sun Exposure Effects on Human Skin

Anita Singh

Department of Home Science, Chandrakanti Ramawati Devi Arya Mahila PG College, Gorakhpur

ABSTRACT

As we all known that vitamin D is very essential for our body and its obtained from the sun rays, but in today's era of globalization as the climate is changing, it seems as the heat of sunlight is increasing day by day. Due to high exposure of sun light human beings are facing different types of skin related disease. The ultraviolet rays emanating from the sun are causing a lot of damage to the skin. The impact of climate change has been significant enough to endanger human health both directly and indirectly via heat stress, degraded air quality, rising sea levels, food and water security etc. too much exposure to ultraviolet rays can lead to various skin diseases. Ultraviolet rays can travel more deeply into the skin when UV rays enter skin cells, they upset delicate processes that effect the skin's growth and appearance.

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Resilience of Women and Mission Shakti

Editors

Dr. Sangeeta

Dr. Anita Singh



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Diligence of women is well known to all, how efficiently she tackle difficulties and dare the situation in every aspect of life! The word Shakti refers here about her awateness, digital knowledge, education, respectful life and strong presence in every field of life. Our changing lifestyle, technological development and financial dependency for better security and self respect pulled her out to prove herself that she can perform well in every area, these new dimension of life creates and rise some struggling situation in their life. Women's empowerment is an important goal in achieving sustainable development worldwide. We hope that this book inspires longitudinal and cross-cultural development of women's empowerment on the personal, relational, and societal dimension.

Our Government launch programme mission Shakti keeping in view that these all programme and awareness will increase their knowledge and awareness about security and protection laws which are working for women protection against slavery, molestation, physical or mental harassment, acid attacks, property right, cyber crime, and many other such a social abuses and crime. Malicious cyber activity threatens the women's safety and our national and economic security.

This edited book will provide ever expanding multi - disciplinary information for women and society, we tried to cover all the areas related to their security, entrepreneurship, protection laws and information about the Acts, which made for their help. The learner in both the formal and non-formal system of education would benefit from this book.



Dr. Sangeeta - Assistant Professor Home- science (Food & Nutrition) Working at present in Ramabai Govt. Women P.G. College -Akbarpur, Ambedkarnagar-Uttar Pradesh- India Teaching Experience 12 year Post Graduate and 12 Year Undergraduate. Published 30 research papers, in National and International Journals, Proceedings, Published Book. - Entitled 'Vegetarianism and COVID-19' in 2020. Awards - Reserved Young Scientist Award and Best teacher award in 2019. Award from Higher Education - On 5th September 2021. Delivered lectures Organized

6 webinars. Co-Organizing Secretary 3rd International Seminar (GLAFAS-2021) 17-18th October 2021.



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11.

ENTREPRENEURSHIP DEVELOPMENT IN TRADITIONAL PAINTINGS ON CLOTHING

Dr. Anita Singh

Abstract

Kalamkari Literally means, Kalam- Pen and Kari - work i.e. art work done using a pen. Vegetable dyes are used to color the designs applied on Cloth. The art of painting using organic dyes on cloth. The art of painting using organic dyes on cloth was popularly in several parts of India. The attempt was targeted towards finding the possibility of applying Kalamkari designs on garments utilizing the satin ribbon. Total three kalamkari painting design were selected Internet, Books and Magazine for to decorating of garments through satin ribbon. There kalamkari designing was applied on the garments (Saree , Anarkali - Suit , A line Dress) . And embellishment through only satin ribbon needle. The total cost of Saree was rs. 1800, Anarkali Suit was Rs. 2500, and A line Dress was Rs. 3000, and 20 % labor cost. That after visual evaluation by 50 adolescent girls on the basis of color combination placement of design. Purchasing percentage overall appearance. In all three garment saree, Anarkali suit was most appreciated by the respondents. The highest score was obtained by Anarkali and the respondents were also willing to accept these design.

Assistant Professor (Home Science) Crd Pg College Gorakhpur


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12.

TO BECOME AN ENTREPRENEUR IN THE FIELD OF HOME MANAGEMENT

Dr. Rita

"Waste Material Recycling: Tireless Efforts to make useful from materials"

The title of study is Waste material Recycling. Tireless effort to make useful article from waste material. This dissertation was done via survey method. Aim of dissertation was create a beautiful article from waste material using raw material newspaper, rope, thermacol, bangles, paint, glue etc. The articles were is used to increase the beauty of the house. The waste materials were assessed for marketability and acceptability. The result indicate that (1) majority of the respondent know about article made by waste material (2) majority of the respondent so much like the beauty, texture, color combination, center of attraction and over all view of wall hanging, stool, rope basket Scenery and Bengal basket (3) majority of the respondents purchase a wall Hanging, stool, rope Basket, scenery and Bangle Basket at the cost of 100/-, 200/-, 200/-, 200/- and 100/- only respectively.



Assistant Professor Department of Home Science Chandrakanti Ramawati De
Arya Mahila P.G. College, Gorakhpur


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पुस्तक के विषय में

प्रस्तुत पुस्तक "राजनीतिक सिद्धान्त की समझ" में सम्मिलित तथ्यों एवं अवधारणों का व्यापक दृष्टिकोण प्रस्तुत पानती है। यह पुस्तक मिथिलांचल विहार राज्य के बी.ए. प्रथम सेमेस्टर के विद्यार्थियों के लिए, मौलिकतम पाठ्यक्रम के अनुसार तैयार की गई है। इस पुस्तक से राजनीति विज्ञान की मूल अवधारणों के संदर्भ में लगभग सभी पहलुओं को सरल व सुस्पष्ट भाषाशैली में प्रस्तुत करने का प्रयास किया गया है जिससे विद्यार्थियों को समझने में कोई कठिनाई न हो। इस पुस्तक की रचना में कई पुरत्यों, परिवर्तनों, प्रसिद्ध लेखकों व विद्वानों के लेखों से सहायता ली गयी है। इस पुस्तक के लेखन कार्य में पूर्ण सतर्कता व सावधानी बरती गयी है। इस पुस्तक की निम्न विशेषताएँ हैं-

- 1) इस पुस्तक की भाषाशैली अल्पतम सहज, सरल, सुस्पष्ट तथा समझने योग्य है।
- 2) प्रस्तुत पुस्तक में विभिन्न पहलुओं का प्रस्तुतीकरण किया गया है।
- 3) कठिन एवं तकनीकी शब्दों को हिन्दी तथा अंग्रेजी दोनों भाषाओं में दिया गया है।
- 4) प्रत्येक इकाई के अंत में विषय से सम्बंधित बहुविकल्पीय, अतिरिक्त, लघु एवं दीर्घ-उत्तरीय प्रश्नों का समावेश किया गया है।
- 5) पाठ्यक्रम की इकाइयों के अंत में अनुक्रमबद्धता का प्रयोग किया गया है जिससे छात्रों को मुख्य बिंदुओं को दृष्टि में आसानी होगी।

लेखक परिचय



डॉ. प्रीति त्रिपाठी वर्तमान समय में चन्द्रकान्ति, रमावती देवी आर्य महिला पी.जी. कालेज, गोरखपुर में असिस्टेंट प्रोफेसर एवं राजनीति विज्ञान विभाग में रीटिंग & बर्षों से कार्यरत हैं। आपने बुद्ध भिखारी सिंह विश्वविद्यालय से स्नातक की उपाधि 2000 में तथा गोरखपुर विश्वविद्यालय से 2002 में परास्नातक की उपाधि राजनीति विज्ञान विषय में प्राप्त की है। आपके अब तक 5 शोध-पत्र प्रकाशित हो चुके हैं जिसमें चार अंतर्राष्ट्रीय जर्नल में और एक राष्ट्रीय जर्नल में प्रकाशित हुए हैं। तीन पुस्तकों में अग्रणी भूमिका निभा चुके हैं। आपने 03 वर्षों में, 16 राष्ट्रीय एवं 4 अंतर्राष्ट्रीय सेमिनारों, विधेयों में भाग लिया है। आपके द्वारा एक पुस्तक भी प्रकाशित हुई है।

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