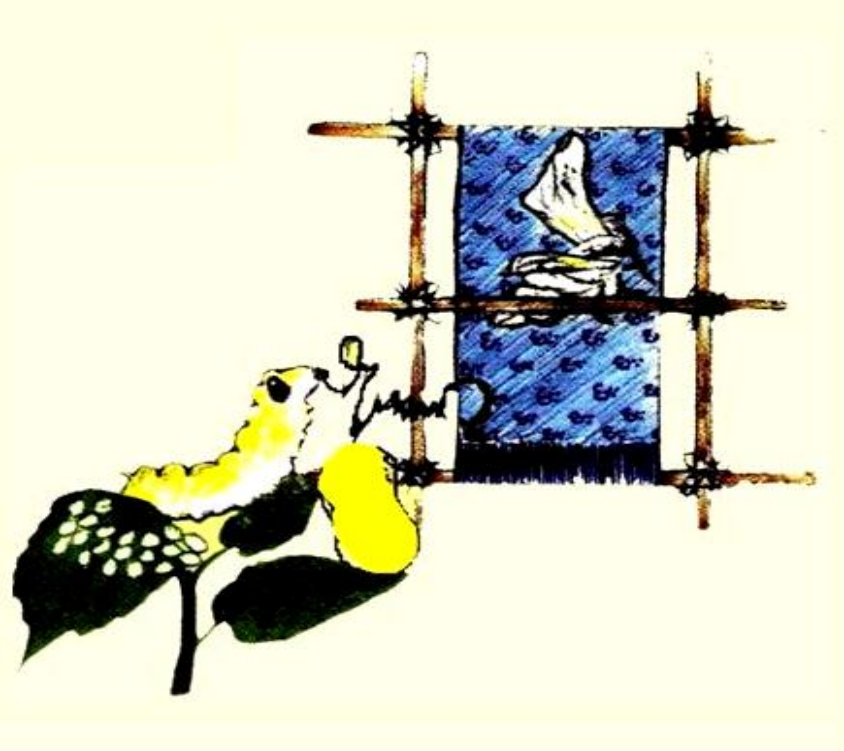
आईएसएसएन / ISSN : 0970-4906

सेरिडॉक
Seridoc

खंड/Vol. 36 (2): 2020



केंद्रीय रेशम उत्पादन अनुसन्धान एवं प्रशिक्षण संस्थान
CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE
केंद्रीय रेशम बोर्ड, (वस्त्र मंत्रालय, भारत सरकार)
Central Silk Board, (Ministry of Textiles, Govt. of India)
श्रीरामपुर, मानंदवाड़ी रोड, मैसूरु - 570008
Srirampura, Manandavadi Road, Mysuru -570008

2020

खंड/Vol. 36(2) : 2020 आईएसएसएन / ISSN : 0970-4906

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Seridoc

(अर्ध वार्षिक)

(Half - Yearly)

प्रकाशक/Published by
डॉ. बाबूलाल /Dr. Babulal
निदेशक
DIRECTOR

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2020

रेशम उत्पादन अनुसन्धान पर अर्धवार्षिक प्रलेखन
Half yearly Documentation on Sericultural Research

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Journals Covered

1. 2nd International Conference on Innovative Research in Science, Management and Technology, 2020, Bilaspur.
2. National Conference on Recent Trends in Agriculture, Bioscience, Computer Applications, Environment and Humanities, 21-22 March, 2020
3. Proceedings of the National Symposium on Insect Diversity and Conservation, Loyola Collage, Chennai

A

1. ACADEMICIA: An International Multidisciplinary Research Journal
2. Acta Entomologica Sinica
3. Acta Parasitologica
4. Advances in Materials Science and Engineering
5. Agricultural Science Digest
6. Agrobios Newsletter
7. AMB Express
8. American Journal of Biochemistry and Molecular Biology
9. Antomie Van Leeuwenhoek
10. Applied Microbiology and Biotechnology
11. Applied Nanoscience
12. Archives of Insect Biochemistry and Physiology
13. Archives of Virology
14. ASC Biomaterials Science and Engineering
15. ASC Sustainable Chemistry and Engineering
16. Asian Journal of Applied Sciences
17. Annals of Parasitology

B

18. Biochemical and Biophysical Research Communications
19. Biochemicals Genetics
20. Biologia
21. Biological Trace Element Research
22. Biomacromolecules
23. Biomed Research International
24. Biotechnology Letters
25. Biotechnology Progress
26. BMC Complementary Medicine and Therapies
27. BMC Complementary Medicine
28. BMC Development Biology
29. BMC Genomics
30. BMC Research Notes
31. Bioscience, Biotechnology, and Biochemistry
32. Bioscience Biotechnology Research Communication

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34. Caryologia
35. Cell Discovery
36. Chemosphere
37. Communication Biology
38. Comparative Biochemistry and Physiology, Part – B
39. Cryobiology
40. Current Microbiology

D

41. Developmental and Comparative Immunology
42. Drug Discoveries and Therapeutics

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43. Ecology and Evolution
44. Epigenetics and Chromation
45. European Journal of Plant Pathology

F

46. Fibers and Polymers
47. Food Chemistry
48. Food Science and Biotechnology
49. Frontiers in Genetics
50. Frontiers in Immunology
51. Frontiers in Microbiology
52. Frontiers in Physiology
53. Functional and Integrative Genomics
54. Future Journal of Pharmaceutical Sciences

G

55. Gene
56. Global Journal for Research Analysis

I

57. Indian Journal of Agricultural Research
58. Indian Journal of Economics and Development
59. Indian Journal of Fibre and Textile Research
60. Indian Silk
61. Industrial and Engineering Chemistry Research
62. Insect Biochemistry and Molecular Biology

63. Insect Molecular Biology
64. International Journal of Biological Macromolecules
65. International Journal of Chemical Studies
66. International Journal of Current Microbiology Applied Sciences
67. International Journal of Fruit Science
68. International Journal of Genetics
69. International Journal of Industrial Entomolog
70. International Journal of Molecular Sciences
71. International Journal of Peptide Research and Therapeutics
72. International Journal of Phytoremediation
73. International Journal of Scientific Research and Reviews
74. International Journal of Research in Applied, Natural and Social Sciences
75. International Journal of Toxicology
76. International Journal of Tropical Insect Science
77. Invertebrate Neuroscience

J

78. Journal of Agricultural and Food Chemistry
79. Journal of Animal Physiology and Animal Nutrition
80. Journal of Biomaterials Science, Polymer Edition
81. Journal of Entomology and Zoology Studies
82. Journal of Ethnopharmacology
83. Journal of Experimental Zoology, India
84. Journal of Food Chemistry
85. Journal of Food Processing and Preservation
86. Journal of Invertebrate Pathology
87. Journal of Materials Chemistry – A
88. Journal of Materials Chemistry – B
89. Journal of Material Science
90. Journal of Molecular Evolution
91. Journal of Nanobiotechnology
92. Journal of Nanoparticle Research

93. Journal of Nutrition and Metabolism
94. Journal of Pest Science
95. Journal of Pharmacy and Pharmacology
96. Journal of Planar Chromatography
97. Journal of Plant Growth Regulation
98. Journal of Proteomics
99. Journal of Radiation Research and Applied Sciences
100. Journal of Texture Studies
101. Journal of the Science of Food and Agriculture

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102. Kheti

L

103. Livestock Science

M

104. Macromolecular Research
105. Materials and Manufacturing Processes
106. Mitochondrial DNA Part –B, Resources
107. Molecular Biology Reports
108. Molecular Genetics and Genomics
109. Molecular Immunology
110. Molecular Medicine Reports
111. Molecules

O

112. Oxidative Medicine and Cellular Longevity

P

113. Parasiters and Vectors
114. Peer journal of Materials Science
115. Pest Management Science
116. Physiological Entomology
117. Plant Cell, Tissue and Organic Culture
118. Plant Signaling and Behavior
119. PloS Genetics
120. PloS One
121. Polymer Science, Series – A
122. Probiotics and Antimicrobial Proteins
123. Proceedings of the National Academy of Sciences, USA
124. Psyche : A Journal of Entomology

R

125. Research Journal of Pharmacy and Technology
126. Russian Journal of Bioorganic Chemistry
127. Russian Journal of Plant Physiology
128. RSC Advances

S

129. Scientific Reports
130. Sericologia
131. Singapore Journal of Scientific Research

T

132. Textile Research Journal
133. The Journal of Horticultural Science and Biotechnology
134. The Journal of Silk Science and Technology of Japan
135. The Science of Nature
136. Transgenic Research
137. Trees

V

138. Virus Disease
139. Virus Genes

W

140. World Journal of Microbiology and Biotechnology

1. HOST PLANT

1. 1. Host Plant Agronomy

001

Alam K, Manjunatha GR, Mishra SK and Sivaprasad V (2020)

(RSRS, Central Silk Board, Koraput 764020, India)

Impact of hydrogel with drip irrigation on mulberry production in Odisha

Sericologia 60(1-2):1-5 (English)

002

Ghazy UM, Fouad TA and Ahmed GM (2020)

(Sericulture Research Department, Plant Protection Research Institute, Agricultural Research Center, Giza, Egypt)

Improving productivity of mulberry trees and silkworm, *Bombyx mori* L., using vermicompost application

International Journal of Industrial Entomology 40(2):41-50 (English)

003

Harsha BR, Nidheesh TD, Prashanth DV and Poojitha K (2020)

(Department of Soil Science and Agril. Chemistry, University of Agricultural Sciences, GKVK, Bengaluru, Karnataka, India)

Mulberry based Integrated Farming System

Agrobios newsletter 19(5):18-20 (English)

004

Li LF and Xia XH (2019)

(Liaoning Institute of Sericulture Sciences, Fengcheng Liaoning 118100, China)

Study on bagging method to promote Oak growth

Canye Kexue 45(5):773-777 (Chinese)

005

Mavilashaw VP (2020)

(Department of Sericulture, Tamil Nadu Agricultural University, Mettupalayam)

Mulching in Mulberry

Agrobios Newsletter 19(5):107-109 (English)

006

Pandiaraj T, Susmita D and Manjappa Sahay A (2019)

(College of Agriculture, Narendra Deva University of Agriculture and Technology, Azamgarh, Uttar Pradesh, India)

Soil nutritional evaluation using parkers nutrient index in tasar silkworm host plants growing soils of Jashpur districts of Chhattisgarh

Journal of Entomology and Zoology Studies 7(6):37-41 (English)

007

Pratheesh Kumar PM (2020)

(Central Sericultural Research and Training Institute, Mysuru, 570 008, Karnataka, India)

Gliricidia : Excellent green mulch for mulberry cultivation

Indian Silk 11(1):12-13 (English)

008

Rajadurai S (2020)

(National Silkworm Seed Organization, Central Silk Board, Bangalore-560068)

Evaluation on performance of fungus basidomycetes pleurotus (Agaricales: Pleurotaceae) on vermicomposting for sustainable sericulture

In: **Proceedings of the National Symposium on Insect Diversity and Conservation, Loyola College, Chennai Pp.356-367 (English)**

009

Sakthivel N and Sivaprasad V (2020)

(RSRS, Salem, Central Silk Board, Bengaluru)

Cultivation of mulberry garden using earth auger

Indian Silk 11(2):12-14 (English)

010

Sathyanarayana K and Sangannavar PA (2020)

(Central Silk Board, Govt. of India, BTM Layout, Bengaluru, Karnataka, India)

Stability analysis and genotype x environment interaction (Unreclaimed and reclaimed) for bioassay parameters in Mulberry (*Morus alba* L.,) under alkali affected soils

Journal of Entomology and Zoology Studies 8(5):504-510 (English)

011

Singh RP (2020)

(RSRS, Sahaspur, Dehradun)

Soil status in North western India through Soil Health Card

Indian Silk 11(4):16-17 (English)

012

Shivaprakash RM, Narayanagowda SN, Radhakrishna PG, Vijayakumar PB, Siddalingaswamy and Thimmareddy H (2020)

(Kamataka State Sericulture Research and Development Institute, Thalaghattapura, Bengaluru 560109, India)

Baby corn an excellent and compatible intercrop for mulberry

Sericologia 60(3-4):119-123 (English)

013

Vinod Kumar Y, Morrison MN, Arunakumar GS, Dhaneshwar P, Praveen Kumar K, Sivaprasad V and Tewary P (2020)

(Regional Sericultural Research Station, CSRTI, Central Silk BoardMinistry of Textiles, Govt. of India, SKLTS Horticultural University Campus Mulugu, Siddipet Dist. Telangana, India)

Comparative study on different mulberry spacing and its impact on mulberry leaf yield and silkworm rearing

Journal of Entomology and Zoology Studies 8(1):1110-1115 (English)

1. 2. Host Plant Physiology and Biochemistry

014

Ariyo O, Ajayi AM, Azu BB and Aderibigbe AO (2020)

(Neuropharmacology Unit, Department of Pharmacology and Therapeutics, University of Ibadan, Oyo State, Nigeria)

Anti nociceptive and anti inflammatory activities of ethanol extract and fractions of *Morus mesozygia* Stapf (Moraceae) leaves and its underlying mechanisms in rodents

Journal of Ethnopharmacology 259:112934 (English)

015

Arpita P, Rajiung M, Zaman K, Chaudhary SK and Shakya A (2020)

(Department of Pharmaceutical Sciences, Faculty of Science and Engineering, School of Science and Engineering, Dibrugarh University, Dibrugarh, Assam, 786004, India)

Quantification of the bioactive marker resveratrol in *Morus alba* Linn. fruits by high-performance thin-layer chromatography

Journal of Planar Chromatography 33:481-487 (English)

016

Arraki K, Parle TS, Attia R, Zedet A, Marc PL, Chokri M, Celine DG and Girard C (2020)

(PEPITE EA4267, Univ. Bourgogne Franche- Comté, Besançon, France)

Arginase inhibitory properties of flavonoid compounds from the leaves of Mulberry (*Morus alba*, Moraceae)

Journal of Pharmacy and Pharmacology 72(9):1269-1277 (English)

017

Chandrakala Fatima S (2020)

(Agriculture in sericulture, College of Agriculture, University of Agricultural Sciences, GKVK, Bengaluru, Karnataka, India)

Effect of soil application of zinc, iron and manganese on V1 mulberry and total performance of cross breed PM x CSR2 (*Bombyx mori* L.)

Journal of Entomology and Zoology Studies 8(2):712-716 (English)

018

Jinda S, Banthot C, Piyada Y, Soonthree K, Chaipat L and Kanlaya J (2020)

(Faculty of Science and Technology, Chiang Rai Rajabhat University, Chiang Rai, 57100, Thailand)

Antioxidant activities, phenolic and tannin contents of paper mulberry (*Broussonetia papyrifera*) extract

Medicinal Plants - International Journal of Phytomedicines and Related Industries 12(3):371-375 (English)

019

Ju WT, Kweon HY, Kim HB, Jo YY, Kim YS and Koo BW (2020)

(Sericultural and Apicultural Materials Division, National Institute of Agricultural Sciences, RDA, Wanju-gun, 55365, Republic of Korea)

Photographical observation of mulberry fruits (*Morus* sp.) during ripening

International Journal of Industrial Entomology 41(1):11-14 (English)

020

Kim HB, Kwon OC, Kweon HY, Jo YY, Ju WT, Lee JH and Kim YS (2020)

(Sericultural and Apicultural Materials Division, National Institute of Agricultural Sciences, RDA, Wanju-gun, 55365, Republic of Korea)

Effect of postharvest conditions on the characteristics of mulberries harvested from various mulberry cultivar *Morus alba*

International Journal of Industrial Entomology 40(2):33-40 (English)

021

Kipcak AS and Ibrahim D (2020)

(Department of Chemical Engineering, Yildiz Technical University, Istanbul, Turkey)

Mathematical Modeling and Drying Characteristics Investigation of Black Mulberry Dried by Microwave Method

International Journal of Fruit Science 20(3):S1222-S1233 (English)

022

Lee S, Kim SH, Jo YY, Kim SW, Kim HB, Kweon HY and Ju WT (2020)

(Sericultural and Apicultural Materials Division, National Institute of Agricultural Sciences, RDA, Wanju-gun, 55365, Republic of Korea)

Characterization of Mulberry Root Bark Extracts (*Morus alba* L.) Based on the Extraction Temperature and Solvent

International Journal of Industrial Entomology 41(2):36-44 (English)

023

Lee S, Kim SH, Koo B, Kim HB, Jo YY, Kweon HY and Ju WT (2020)

(National Institute of Agricultural Sciences, RDA, Wanju-gun, 55365, Republic of Korea)

Flavonoids analysis in leaves and fruits of Korean mulberry cultivar, Baekokwang having white fruits

International Journal of Industrial Entomology 41(2):45-50 (English)

024

Li HX, Heo MS, Kim YS, Kim YH, Yang SY and Li W (2020)

(Shenzhen Key Laboratory of Marine Bioresource and Eco-Environmental Science, College of Life Sciences and Oceanography, Shenzhen University, Shenzhen 518060, China)

Coumarin and Moracin Derivatives from Mulberry Leaves (*Morus alba* L.) with Soluble Epoxide Hydrolase Inhibitory Activity

Molecules 25(17):3967 (English)

025

Lin YC, Wu CJ, Kuo PC, Chen WY and Tzen JT (2020)

(Graduate Institute of Biotechnology, National Chung - Hsing University, Taichung, Taiwan)

Quercetin 3 - O - malonylglucoside in the leaves of mulberry (*Morus alba*) is a functional analog of ghrelin

Journal of Food Biochemistry 44(9):e13379 (English)

026

Mohan R, Kaur T, Bhat HA, Khajuria M, Pal S and Dhiraj V (2020)

(Regional Sericultural Research Station, Central Silk Board, Miran Sahib, Jammu, Jammu and Kashmir, 181101, India)

Paclobutrazol Induces Photochemical Efficiency in Mulberry (*Morus alba* L.) Under Water Stress and Affects Leaf Yield without Influencing Biotic Interactions

Journal of Plant Growth Regulation 39:205-215 (English)

027

Prinka S, Poonam Y, Ghosh CS and Singh B (2020)

(Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi, New Delhi, 110 007, India)

Heavy metal capture from the suspended particulate matter by *Morus alba* and evidence of foliar uptake and translocation of PM associated zinc using radiotracer (^{65}Zn)

Chemosphere 251:126438 (English)

028

Rahman MS, Doss GS and Sau H (2020)

(Mulberry Breeding and Genetics Laboratory, Central Sericultural Research and Training Institute, Berhampore - 742 101, India)

Leaf quality assessment of some selected mulberry genotypes through moulting test using silkworm larvae

Agricultural Science Digest 20(3):180-182 (English)

029

Selih M, Petkovsek MM, Krajnc D, Bercic RL and Krajnc AU (2020)

(Chair of Botany and Plant Physiology, Faculty of Agriculture and Life Sciences, University of Maribor, Pivola 10, 2311, Hoce, Slovenia)

Screening of leaf metabolites in historical mulberry trees (*Morus alba* L.) from different eco-geographical regions of Slovenia

TREES 34:971-986 (English)

030

Wang C, Pian RQ, Chen XY, Lv HJ, Zhou W and Zhang Q (2020)

(College of Forestry and Landscape Architecture, Guangdong Province Research Center of Woody Forage Engineering Technology, Guangdong Research and Development Center of Modern Agriculture (Woody Forage) Industrial Technology, South China Agricultural University, Guangzhou, China)

Beneficial Effects of Tannic Acid on the Quality of Bacterial Communities Present in High-Moisture Mulberry Leaf and Stylo Silage

Frontiers in Microbiology 11:586412 (English)

031

Zhang F, Wang H, Wang B, Peng QM, Sheng S, Wu F and Wang J (2019)

(College of Biotechnology, Jiangsu University of Science and Technology, Zhenjiang Jiangsu 212018, China)

Directional deglycosylation of mulberry flavonoid glycoside rutin catalyzed by enzyme using droplet microfluidic technology

Canye Kexue 45(5):732-739 (Chinese)

032

Zhang H, Huo Y, Xu ZS, Guo KW, Wang Y and Zhang X (2020)

(College of Resources and Environment, NortheastAgriculturalUniversity, Harbin, Heilongjiang, Chinab Key Laboratory of Saline-alkali Vegetation Ecology Restoration, Ministry of Education, Northeast Forestry University, Harbin, Heilongjiang, China)

Physiological and proteomics responses of nitrogen assimilation and glutamine glutamine family of amino acids metabolism in mulberry (*Morus alba* L.) leaves to NaCl and $NaHCO_3$ stress

Plant Signaling and Behavior 15(10):Article 1798108 (English)

033

Zhang HH, Xin L, Che YH, Wang Y, Li MB, Yang RY, Nan X and Sun GY (2020)

(College of Resources and Environment, Northeast Agricultural University, Harbin, 150030, Heilongjiang, China)

A study on the effects of salinity and pH on PSII function in mulberry seedling leaves under saline alkali mixed stress

TREES 34:693-706 (English)

034

Zhao XX, Gao HP, Wang YF, Zheng Z, Bao LJ, Chao S, Zhang MJ and Qian Y (2019)

(Institute of Sericulture and Silk, Northwest A and F University, Yangling Shaanxi 712100, China)

Changes in content of endogenous hormones during mulberry fruit development and its relationship with maturation

Canye Kexue 45(5):643-650 (English)

1. 3. Host Plant Cytology, Breeding and Genetics

035

Boruah J and Sahu BK (2020)

(Department of Sericulture, Assam Agricultural University, Jorhat-13, Assam, India)

In vitro propagation of som plant (*Persea bombycina* king): A primary food plant of muga silkworm

Journal of Entomology and Zoology Studies 8(4):7-11 (English)

036

Mondal R and Das P (2020)

(Mulberry Tissue Culture Laboratory, Mulberry Division, Central Sericultural Germplasm Resources Centre, CSGRC, Hosur, India)

Novel aspects of Cell Division Cycle and Apoptosis Regulator 1 CCAR1 protein in *Morus notabilis*: an in silico approach

Plant Signaling and Behavior 15(10):Article 1795396 (English)

1. 4. Host Plant Pathology

037

Krzysztof K and Malgorzata L (2020)

(Department of Molecular Biology and Biotechnology, Institute of Plant Protection-National Research Institute, Wladyslawa Wegorka 20, 60-318, Pozna?, Poland)

Identification and characterization of Pseudomonas syringae pv. mori affecting white mulberry (*Morus alba*) in Poland

European Journal of Plant Pathology 158:281-291 (English)

038

Sandhu M, Prameela J, Paul AT, Singh RP and Prabhat NJ (2020)

(Department of Biological Sciences, Birla Institute of Technology and Science (BITS), Pilani, Rajasthan, India)

Evaluation of biphenyl and polychlorinated biphenyl PCB degrading *Rhodococcus* sp. MAPN 1 on growth of *Morus alba* by pot study

International Journal of Phytoremediation 22(14):1487-1496 (English)

039

Wang DX, Sun SS, Ren YX, Li SF, Yang XL and Zhou XP (2020)

(State Key Laboratory for Biology of Plant Diseases and Insect Pests, Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, China)

RepA Promotes the Nucleolar Exclusion of the V2 Protein of Mulberry Mosaic Dwarf-Associated Virus

Frontiers in Microbiology 11:1828 (English)

1. 5. Host Plant Molecular Biology

040

Cao ZM, He QH, Wang PW, Yan JM, Awais MM, Liu ZC, Yan H and Sun JC (2020)

(Guangdong Provincial Key Laboratory of Agro-Animal Genomics and Molecular Breeding and Subtropical Sericulture and Mulberry Resources Protection and Safety Engineering Research Center, College of Animal Science, South China Agricultural University, Guangzhou, 510642, Guangdong, China)

Functional characteristics of a calcium-dependent protein kinase (MaCDPK1) enduring stress tolerance from *Morus atropurpurea* Roxb.

Plant Cell, Tissue and Organ Culture 141:131-143 (English)

041

He SL and Tian Y (2020)

(College of Horticulture and Landscape, Yunnan Agricultural University, Kunming, China)

Chloroplast genome and phylogenetic analyses of *Morus alba* Moraceae

Mitochondrial DNA Part B 5(3):2203-2204 (English)

042

Hu F, Chen M, Zhang Y, Wang T and Li R (2020)

(Plant Protection and Agroproducts Safety Institute, Anhui Academy of Agricultural Sciences, 230031, Hefei Anhui, PR China)

Molecular Characterization and Expression Patterns of Shabby-Related Kinase (MmSK) Gene of Mulberry (*Morus multicaulis*)

Russian Journal of Bioorganic Chemistry 46:768-777 (English)

043

Jiang H, Jin XY, Shi XF, Xue Y, Jiang J, Yuan CL and Du YJ (2020)

(College of Agronomy and Biotechnology, Southwest University, Chongqing 400715, China)

Transcriptomic Analysis Reveals Candidate Genes Responsive to Sclerotinia scleroterum and Cloning of the Ss- Inducible Chitinase Genes in *Morus* laevigata

International Journal of Molecular Sciences 21(21):8358 (English)

044

Lina M, Hiroaki Y, Yang CC, Seigo K, Yokoi K, Kameda T, Hideki S and Akiya J (2020)

(Department of Integrated Biosciences, Graduate School of Frontier Sciences, The University of Tokyo, Kashiwa 277 8561, Japan)

Genome wide SNP marker discovery and phylogenetic analysis of mulberry varieties using double-digest restriction site associated DNA sequencing

Gene 726:144162 (English)

045

Liu J, Wan JQ, Wang DJ, Wen CW, Wei Y and Zhen O (2020)

(School of Food and Biological Engineering, Jiangsu University, Zhenjiang 212013, People's Republic of China)

Comparative Transcriptome Analysis of Key Reductase Genes Involved in the 1-Deoxynojirimycin Biosynthetic Pathway in Mulberry Leaves and Cloning, Prokaryotic Expression, and Functional Analysis of MaSDR1 and MaSDR2

Journal of Agricultural and Food Chemistry 68(44):12345-12357 (English)

046

Manjunatha SR, Manjunath Gowda, Nataraja K, Narayanaswamy KC and Jagadish KS (2020)

(Department of Sericulture, Department of Crop Physiology and Department of Agril. Entomology, UAS, GKVK, Bangalore, Karnataka, India)

Performance of silkworm hybrid PM x CSR2 on drought tolerant transgenic mulberry lines

Journal of Entomology and Zoology Studies 8(3):1961-1966 (English)

047

Niu SL, Tong ZF, Zhang Y, Liu TL, Tian CL, Zhang DX, Liu MC, Li B and Tian JL (2020)

(Key Laboratory of Livestock Infectious Diseases in Northeast China, Ministry of Education, College of Aninal Science and Veterinary Medicine, Shenyang Agricultural University, Shenyang, Liaoning 110866, People's Republic of China)

Novel Protein Tyrosine Phosphatase 1B Inhibitor - Geranylated Flavonoid from Mulberry Leaves Ameliorates Insulin Resistance

Journal of Agricultural and Food Chemistry 68(31):8223-8231 (English)

048

Nuratika E, Aseny N, Syamsuardi, Nurainas and Fitmawati (2020)

(Department of Biology, Faculty of Mathematics and Natural Sciences, Andalas University, Padang 25163, Indonesia.)

Clarification of Sumatran Mulberry (*Morus macroura* var. *macroura*, *moraceae*) from West Sumatra, Indonesia using Nucleus Ribosomal ITS (Internal Transcribed Spacer) Gene

Indian Journal Of Agricultural Research 54(5):635-640 (English)

049

Park EJ, Kang MU, Choi MS, Sung GB and Nho SK (2020)

(Department of Analysis Certification, FACT, IK-San 54667, Republic of Korea)

Analysis of the Genetic Relationship among Mulberry (*Morus* spp.) Cultivars Using Inter-Simple Sequence Repeat (ISSR) Markers

International Journal of Industrial Entomology 41(2):56-62 (English)

050

Ramesha A, Dubey H, Vijayan K, Ponnuvel KM, Mishra RK and Suresh K (2020)

(Seri Biotech Research Laboratory, Central Silk Board, Kodathi, Bangalore, 560035, India)

Genome wide characterization revealed MnMLO2 and MnMLO6A as candidate genes involved in powdery mildew susceptibility in mulberry

Molecular Biology Reports 47:2889-2900 (English)

051

Shang S, Li SJ, Feng J, Dong XL, Zhang MJ and Qian YH (2019)

(Institute of Sericulture and Silk, Northwest A and F University, Yangling Shaanxi 712100, China)

Cloning, expression and function analysis of mulberry osmotin gene

Canye Kexue 45(5):625-633 (Chinese)

052

Venkatesh Kumar R, Devika S, Vandana S, Umesh Kumar, Vijay Kumar V, Singh P, Dinesh Kumar and Rajesh Kumar (2020)

(Department of Zoology, Babasaheb Bhimrao Ambedkar University, Vidya Vihar, Raibareli Road, Lucknow, 226025, India)

Characterization, biological evaluation and molecular docking of mulberry fruit pectin

Scientific Reports 10:21789 (English)

053

Xiao SY, Feng Z, Ruifa R, Li ZG, Zhang YH, Yulan S, Tang FF and Bai XR (2019)

(Institute of Sericulture and Apiculture, Yunnan Academy of Agricultural Sciences oo Mengzi Yunnan 661101, China)

Cloning of chitinase gene Machi1 in mulberry and its prokaryotic expression

Canye Kexue 45(5):634-642 (Chinese)

054

Zhi S, Tang X, Zheng ZN, Xu FX, Ren YH and Wang XL (2020)

(State Key Laboratory of Silkworm Genome Biology, College of Biotechnology, Southwest University, 400715, Chongqing, China)

Expression of Glutamate Dehydrogenase Genes of Mulberry in *Morus alba* L. and Transgenic Tobacco in Relation to Biotic and Abiotic Stresses

Russian Journal of Plant Physiology 67:703-714 (English)

2. SILKWORM

2. 1. Silkworm Rearing Technology

055

Borpuzari P, Das MR, Hussain B and Rahman A (2020)

(USTM, Ribhoi, Meghalaya, India)

Performance of Muga silkworm on different host plants under different rearing seasons with respect of rearing performance and chemical constituents

Journal of Entomology and Zoology Studies 8(2):1254-1258 (English)

056

Chand S and Shafi A (2020)

(Central Sericultural Research and Training Institute, Central Silk Board, Berhampore, West Bengal 742101, India)

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