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Ընդհանուր և մոլեկուլային գենետիկայի լաբորատորիա
Старший научный сотрудник

Образование

Учреждение	ЕГУ
Факультет	Биологии
Дата	2002 - 2004
Степень / Звание	Магистр

Ученое звание/Ученая степень

Учреждение	ЕГУ
Дата	2007
Степень / Звание	Кандидат наук
Специальность	Биологические науки
Научный руководитель	Հարությունյան Ռուբեն
Научная тема	Նոր պորֆիրինների գենաթունային և մոդիֆիկացնող հատկությունների ուսումնասիրությունը ԴՆԹ կոմետ մեթոդով

Знание языков

Русский English Deutsch

Публикации

Статья

Dual domestications and origin of traits in grapevine evolution

Kristine Margaryan, Yang Dong, Shengchang Duan, Qiuju Xia, Zhenchang Liang, Xiao Dong, Mirza Musayev, Svitlana Goryslavets, Goran Zdunić, Pierre-François Bert, Thierry Lacombe, Erika Maul, Peter Nick, Kakha Bitskinashvili, György Dénes Bisztray, Elyashiv Drori, Gabriella De Lorenzis, Jorge Cunha, Carmen Florentina Popescu, Rosa Arroyo-Garcia, Claire Arnold, Ali Ergül, Yifan Zhu, Chao Ma, Shufen Wang, Siqi Liu, Liu Tang, Chunping Wang, Dawei Li, Yunbing Pan, Jingxian Li, Ling Yang, Xuzhen Li, Guisheng Xiang, Zijiang Yang, Baozheng Chen, Zhanwu Dai, Yi Wang, Arsen Arakelyan, Varis Kuliyeв, Gennady Spotar, Nabil Girollet, Serge Delrot, Nathalie Ollat, Patrice This, Cécile Marchal, Gautier Sarah, Valérie Laucou, Roberto Bacilieri, Franco Röckel, Pingyin Guan, Andreas Jung, Michael Riemann, Levan Ujmajuridze, Tekle Zakalashvili, David Maghradze, Maria Höhn, Gizella Jahnke, Erzsébet Kiss, Tamás Deák, Oshrit Rahimi, Sariel Hübner, Fabrizio Grassi, Francesco Mercati, Francesco Sunseri, José Eiras-Dias, Anamaria Mirabela Dumitru, David Carrasco,

Alberto Rodriguez-Izquierdo, Gregorio Muñoz, Tamer Uysal, Cengiz Özer, Kemal Kazan, Meilong Xu, Yunyue Wang, Shusheng Zhu, Jiang Lu, Maoxiang Zhao, Lei Wang, Songtao Jiu, Ying Zhang, Lei Sun, Huanming Yang, Ehud Weiss, Shiping Wang, Youyong Zhu, Shaohua Li, Jun Sheng, Wei Chen
Science 2023 892-901

Статья

Grapevine genetic resources of Armenia: molecular fingerprinting and phylogenetic relationship among wild and cultivated grapevine

Kristine Margaryan, Boris Gasparyan, Artur Petrosyan, Frunz Harutyunyan, Töpfer: Reinhard, Erika Maul
Vitis - Journal of Grapevine Research 2023 11-22

Статья

Machine learned-based visualization of the diversity of grapevine genomes worldwide and in Armenia using SOMmelier

Kristine Margaryan, Maria Nikoghosyan, Anush Baloyan, Hripsime Gasoyan, Emma Hovhannisyan, Levon Galstyan, Tomas Konecny, Arsen Arakelyan, Hans Binder
BIO Web of Conferences 2023 1-7

Статья

Wild grapes of Armenia: unexplored source of genetic diversity and disease resistance

Kristine Margaryan, Reinhard Töpfer, Boris Gasparyan, Arsen Arakelyan, Oliver Trapp, Franco Röckel, Erika Maul
Frontiers in Plant Science 2023 1-16

Статья

Genetic Diversity of Armenian Grapevine (*Vitis vinifera* L.) Germplasm: Molecular Characterization and Parentage Analysis

Kristine Margaryan, Erika Maul, Reinhard Töpfer, Franco Röckel, Gagik Melyan
Biology 2021 1-22

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SOMmelier-Intuitive Visualization of the Topology of Grapevine Genome Landscapes Using Artificial Neural Networks

Kristina Margaryan, Maria Nikoghosyan, Maria Schmidt, Henry Loeffler-Wirth, Arsen Arakelyan, Hans Binder
Genes 2020 1-22

Статья

CONSERVATION STRATEGY AND REVITALIZATION OF ENDANGERED AUTOCHTHONOUS GRAPEVINE VARIETIES IN ARMENIA

Margaryan Kristine, Kuchukyan Elza, Melyan Gagik
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Description of the *Vitis vinifera* L. phenotypic variability in eno-carpological traits by a Euro-Asiatic collaborative network among ampelographic collections.

L. Rustioni, G. Cola, D. Maghradze, E. Abashidze, A. Argiriou, R. Aroutiounian, J. Brazão, R. Chipashvili, M. Cocco, V. Cornea, L. Dejeu, J. E. Eiras-Dias, S. Goryslavets, J. Ibáñez, L. Kocsis, F. Lorenzini, E. Maletic, L. Mamasakhlisashvili, K. Margaryan, E. Maul, I. Mdinardze, G. Melyan, S. Michailidou, D. Molitor,

M. I. Montemayor, G. Muñoz Organero, A. Nebish, G. Németh, N. Nikolaou, C. F. Popescu, D. Preiner, S. Raimondi, V. Risovannaya, G. Savin, S. Savvides, A. Schneider, F. Schwander, J. L. Spring, L. Ujmajuridze, E. Zioziou, O. Failla, R. Bacilieri
Vitis - Journal of Grapevine Research 2019 37-46

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Armenian National Grapevine Collection: Conservation, Characterization and Prospects

K. Margaryan, E. Maul, Z. Muradyan, A. Hovhannisyan, H. Devejyan, G. Melyan, R. Aroutiounian

BIO Web of Conferences 2019 1-5

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Evaluation of breeding potential of wild grape originating from Armenia

K. Margaryan, E. Maul, Z. Muradyan, A. Hovhannisyan, G. Melyan, R. Aroutiounian

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Effect of melanin on the yield of winter wheat in the presowing treatment of seeds

Margaryan Kristine, Sadoyan Ruzanna, Azaryan Ketì

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Screening of Armenian grape varieties for susceptibility to downy mildew

Margaryan K., Hakob Devejyan, Gagik Melyan

МАГАРАЧ. ВИНОГРАДАРСТВО И ВИНОДЕЛИЕ 2018 47-49

Статья

Phenolic content and antioxidant activity of Armenian cultivated and wild grapes

Kristine Margaryan,, Gagik Melyan, Diana Vardanyan, Hakob Devejyan, Rouben Aroutiounian

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Study of Armenian grape cultivars for resistance to downy mildew

Margaryan K., Vardanyan D., Devejyan H.

Biological Journal of Armenia 2016 85-88

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Margaryan K., Aroutiounian R., Melyan G., Failla O.

Vitis - Journal of Grapevine Research 2015 155-156

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Armenian grapevines: cytoembryological, morphological and chemical analysis.

Aroutiounian R., Nebish A., Margaryan K., Melyan G.

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Phenotypic profiles of Armenian grape cultivars.

Rouben Aroutiounian, Anna Nebish, Gagik Melyan, Kristine Margaryan

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Genetic analysis of the VvMybA1 gene in Armenian grapevines (V. Vinifera L.)

K. Margaryan, G. De Lorenzis, R. Aroutiounian, O. Failla

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Total phenolic content and total antioxidant activity of Armenian and Croatian local red wines

Kristine Margaryan, Rouben Aroutiounian, Vladimir Jukić, Toni Kujundžić, Mato Drenjančević

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Phenolic content and antioxidant activity of Armenian cultivated and wild grapes

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Phenotypic and molecular characterization of Armenian grape cultivars for resistance to downy mildew

Kristine Margaryan, Rouben Aroutiounian., Gagik Melyan

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A retrotransposon-inserted VvmybA1a allele analysis of Armenian and Croatian grapevines.

Kristine Margaryan, Mato Drenjancevic, Vladimir Jukić, Toni Kujundžić, Gagik Melyan,

Rouben Aroutiounian

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Optimization of explant surface sterilization conditions for potato variety 'Red Scarlet'

Melyan G.H., Asatryan G.V., Sahakyan A.J., Devejyan H.H., Margaryan K.S., Nebish A.A.

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Armenian National Grapevine Collection: Conservation, Characterization and Prospects

Kristine Margaryan, E. Maul, Z. Muradyan, G. Melyan, R. Aroutiounian

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Multidisciplinary characterization of Armenian grape germplasm

Kristine Margaryan

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Preliminary HTS analysis and RT-qPCR assays on grapevine germplasm from Armenia show a content of background latent viruses and viroids and the absence of noxious viral pathogens.

Kristine Margaryan, Michela Chiumenti, Arsen Arakelyan, Raied Abou Kubaa, Angelantonio Minafra

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ARMENIAN VITIS DATABASE: CONSERVATION AND DOCUMENTATION OF GRAPEVINE GENETIC

RESOURCES IN ARMENIA

Kristine Margaryan, Rouben Aroutiounian, Arsen Arakelyan, Gagik Melyan, Zara Muradyan, Erika Maul

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EVALUATION OF BREEDING POTENTIAL OF WILD GRAPE ORIGINATING FROM ARMENIA

Kristine Margaryan, Gagik Melyan, Rouben Aroutiounian

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Prospects of plant genome editing in Armenia

K. Margaryan, A. Arakelyan

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Case study: Impact of INTEGRAPE on documentation and molecular characterization of grape genetic resources in Armenia

Kristine Margaryan, Gagik Melyan, Erika Maul

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EXPLORING THE GENETIC DIVERSITY OF ARMENIAN GRAPEVINE RESOURCES

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The hidden biodiversity of Vitis Vinifera L. in Armenia

Kristine Margaryan

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DETERMINATION OF TOTAL PHENOLIC CONTENT, ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY OF GRAPE SKIN EXTRACTS FROM TEN ARMENIAN GRAPE VARIETIES FROM ARARAT VALLEY AND SYUNIQ REGION

K. Margaryan, Valentina Pavić, Milica Nedeljković, Mato Drenjančević

Конференция

Grapevine genetic resources of Armenia: molecular fingerprinting and phylogenetic relationship among wild and cultivated grapevine

Margaryan Kristine, Maul Erika, Töpfer Reinhard, Harutyunyan Frunz, Gasparyan Boris
