

DOKUMENT

Meno a priezvisko prof. RNDr. Ján Kraic, PhD.
Typ dokumentu Vedecko/umelecko-pedagogická charakteristika osoby
Názov vysokej školy Univerzita sv. Cyrila a Metoda v Trnave
Sídlo vysokej školy Nám. J. Herdu 2, 91701 Trnava
Názov fakulty Fakulta prírodných vied
Sídlo fakulty Nám. J. Herdu 2, 91701 Trnava

I. - Základné údaje

I.1 - Priezvisko

Kraic

I.2 - Meno

Ján

I.3 - Tituly

prof., RNDr., PhD.

I.4 - Rok narodenia

1962

I.5 - Názov pracoviska

Oddelenie biotechnológií, Ústav biológie a biotechnológie, Fakulta prírodných vied, Univerzita sv. Cyrila a Metoda v Trnave

I.6 - Adresa pracoviska

Nám. J. Herdu 2, 91701 Trnava

I.7 - Pracovné zaradenie

profesor

I.8 - E-mailová adresa

jan.kraic@ucm.sk

I.9 - Hyperlink na záznam osoby v Registri zamestnancov vysokých škôl

https://www.portalvs.sk/regzam/detail/10524?do=filterForm-submit&name=j%C3%A1n&surname=Kraic&sort=surname&employment_state=yes&filter=Vyh%C4%BEada%C5%A5

I.10 - Názov študijného odboru, v ktorom osoba pôsobí na vysokej škole

Biotechnológie

I.11 - ORCID iD

0000-0003-1551-1295

II. - Vysokoškolské vzdelanie a ďalší kvalifikačný rast

II.1 - Vysokoškolské vzdelanie prvého stupňa

II.a - Názov vysokej školy alebo inštitúcie

Univerzita Komenského, Prírodovedecká fakulta

II.b - Rok

1984

II.c - Odbor a program

Biochémia

II.2 - Vysokoškolské vzdelanie druhého stupňa

II.a - Názov vysokej školy alebo inštitúcie

Univerzita Komenského, Prírodovedecká fakulta

II.b - Rok

1986

II.c - Odbor a program

Biochémia

II.3 - Vysokoškolské vzdelanie tretieho stupňa

II.a - Názov vysokej školy alebo inštitúcie

Univerzita Komenského, Prírodovedecká fakulta

II.b - Rok

1999

II.c - Odbor a program

Molekulárna biológia

II.4 - Titul docent

II.a - Názov vysokej školy alebo inštitúcie

Univerzita Konštantína Filozofa, Fakulta prírodných vied

II.b - Rok

2008

II.c - Odbor a program

Biológia

II.5 - Titul profesor

II.a - Názov vysokej školy alebo inštitúcie

Univerzita Konštantína Filozofa, Fakulta prírodných vied

II.b - Rok

2015

II.c - Odbor a program

Biológia

II.6 - Titul DrSc.

III. - Súčasné a predchádzajúce zamestnania

III.a - Zamestnanie- pracovné zaradenie	III.b - Inštitúcia	III.c - Časové vymedzenie
vedecký pracovník	Národné poľnohospodárske a potravinárske centrum - Výskumný ústav rastlinnej výroby Piešťany	1987-doteraz
vysokoškolský pedagóg	FPV UCM	2001-doteraz

IV. - Rozvoj pedagogických, odborných, jazykových, digitálnych a iných zručností

IV.a - Popis aktivity, názov kurzu (ak išlo o kurz), iné	IV.b - Názov inštitúcie	IV.c - Rok
Cochranovo štipendium	U.S. Department of Agriculture	2000
Projekt EÚ INCO-Copernicus	Università Degli Studi di Udine, Taliansko	1997- 1999
Metódy bunkovej a molekulárnej biológie rastlín	Agricultural Biotechnological Center, Gödöllo, Maďarsko	1996
Metódy lokalizácie a mapovania génov, molekulárne šľachtenie rastlín	Technische Universität München, Lehrstuhl für Pflanzenbau und Pflanzenzüchtung, Freising-Weihenstephan, Nemecko	1993

V. - Prehľad aktivít v rámci pedagogického pôsobenia na vysokej škole

V.1 - Prehľad zabezpečovaných profilových študijných predmetov v aktuálnom akademickom roku podľa študijných programov

V.1.a - Názov profilového predmetu	V.1.b - Študijný program	V.1.c - Stupeň	V.1.d - Študijný odbor
Poľnohospodárske biotechnológie	Biotechnológie	I.	Biotechnológie
Úvod do biotechnológií	Biotechnológie	I.	Biotechnológie
Molekulárne biotechnológie	Biotechnológie	II.	Biotechnológie
Molekulárno-biologické techniky	Biotechnológie	II.	Biotechnológie
In vitro systémy rastlín	Biotechnológie	II.	Biotechnológie
Poľnohospodárske biotechnológie pre doktorandov	Biotechnológie	III.	Biotechnológie

V.2 - Prehľad o zodpovednosti za uskutočňovanie, rozvoj a zabezpečenie kvality študijného programu alebo jeho časti na vysokej škole v aktuálnom akademickom roku

V.2.a - Názov študijného programu	V.2.b - Stupeň	V.2.c - Študijný odbor
Biotechnológie	II.	Biotechnológie
Biotechnológie	III.	Biotechnológie

V.3 - Prehľad o zodpovednosti za rozvoj a kvalitu odboru habilitačného konania a inauguračného konania v aktuálnom akademickom roku

V.3.a - Názov odboru habilitačného konania a inauguračného konania	V.3.b - Študijný odbor, ku ktorému je priradený
Molekulárna biológia	Biológia

V.4 - Prehľad vedených záverečných prác

V.4.1 - Počet aktuálne vedených prác

V.4.a - Bakalárske (prvý stupeň)

1

V.4.b - Diplomové (druhý stupeň)

4

V.4.c - Dizertačné (tretí stupeň)

1

V.4.2 - Počet obhájených prác

V.4.a - Bakalárske (prvý stupeň)

5

V.4.b - Diplomové (druhý stupeň)

8

V.4.c - Dizertačné (tretí stupeň)

13

V.5 - Prehľad zabezpečovaných ostatných študijných predmetov podľa študijných programov v aktuálnom akademickom roku

V.5.a - Názov predmetu	V.5.b - Študijný program	V.5.c - Stupeň	V.5.d - Študijný odbor
Techniky rekombinantných molekúl DNA	Aplikovaná biológia	II.	Biológia
In vitro systémy rastlín	Aplikovaná biológia	II.	Biológia
Úvod do biotechnológií	Aplikovaná biológia	I.	Biológia

VI. - Prehľad výsledkov tvorivej činnosti

VI.1 - Prehľad výstupov tvorivej činnosti a ohlasov na výstupy tvorivej činnosti

VI.1.1 - Počet výstupov tvorivej činnosti

VI.1.a - Celkovo

320

VI.1.b - Za posledných šesť rokov

120

VI.1.2 - Počet výstupov tvorivej činnosti registrovaných v databázach Web of Science alebo Scopus

VI.1.a - Celkovo

117

VI.1.b - Za posledných šesť rokov

28

VI.1.3 - Počet ohlasov na výstupy tvorivej činnosti

VI.1.a - Celkovo

1389

VI.1.b - Za posledných šesť rokov

761

VI.1.4 - Počet ohlasov registrovaných v databázach Web of Science alebo Scopus na výstupy tvorivej činnosti

VI.1.a - Celkovo

676

VI.1.b - Za posledných šesť rokov

439

VI.1.5 - Počet pozvaných prednášok na medzinárodnej a národnej úrovni

VI.1.a - Celkovo

12

VI.1.b - Za posledných šesť rokov

1

VI.2 - Najvýznamnejšie výstupy tvorivej činnosti

1.
Kanukova, S.; Gubisova M.; Klčova, L.; Mihalik, D.; Kraic, J.: Establishment of Stem Cell-like Cells of *Sida hermaphrodita* (L.) Rusby from Explants Containing Cambial Meristems. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2022, 23, 7644. DOI: 10.3390/ijms23147644
2.
Kanukova, S.; Mrkvova, M.; Mihalik, D.; Kraic, J.: Procedures for DNA Extraction from Opium Poppy (*Papaver somniferum* L.) and Poppy Seed-Containing Products. FOODS, 2020, 9, 1429. DOI: 10.3390/foods9101429

3.
Mihalik, D.; Lancaricova, A.; Mrkvova, M.; Kanukova, S.; Moravcikova, J.; Glasa, M.; Subr, Z.; Predajna, L.; Hancinsky, R.; Gresikova, S.; Havrlentova, M.; Hauptvogel, P.; Kraic, J.: Diacylglycerol Acetyltransferase Gene Isolated from *Euonymus europaeus* L. Altered Lipid Metabolism in Transgenic Plant towards the Production of Acetylated Triacylglycerols. LIFE-BASEL, 2020, 10, 205. DOI: 10.3390/life1009020
4.
Kraic, J.; Mihalik, D.; Klcova, L.; Gubisova, M.; Klempova, T.; Hudcovicova, M.; Ondreickova, K.; Mrkvova, M.; Havrlentova, M.; Gubis, J.; Certik, M.: Progress in the genetic engineering of cereals to produce essential polyunsaturated fatty acids JOURNAL OF BIOTECHNOLOGY, 2018, 284, 115-122. DOI: 10.1016/j.jbiotec.2018.08.009
5.
Mihalik, D.; Gubisova, M.; Kraic, J.; Hudcovicova, M.; Havrlentova, M.; Moravcikova, J.; Glasa, M.; Matusikova, I.: Introduction of a synthetic *Thermococcus*-derived alpha-amylase gene into barley genome for increased enzyme thermostability in grains. ELECTRONIC JOURNAL OF BIOTECHNOLOGY, 2017, 30, 1-5. DOI: 10.1016/j.ejbt.2017.08.002

VI.3 - Najvýznamnejšie výstupy tvorivej činnosti za ostatných šesť rokov

1.
Kanukova, S.; Gubisova, M.; Klcova, L.; Mihalik, D.; Kraic, J.: Establishment of Stem Cell-like Cells of *Sida hermaphrodita* (L.) Rusby from Explants Containing Cambial Meristems. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2022, 23, 7644. DOI: 10.3390/ijms23147644
2.
Sák, M.: Dokupilová, I.; Kaňuková, Š.; Mrkvová, M.; Mihálik, D.; Hauptvogel, P.; Kraic, J.: Biotic and Abiotic Elicitors of Stilbenes Production in *Vitis vinifera* L. Cell Culture. PLANTS, 2021, 10, 490. DOI: 10.3390/plants10030490
3.
Kanukova, S.; Mrkvova, M.; Mihalik, D.; Kraic, J.: Procedures for DNA Extraction from Opium Poppy (*Papaver somniferum* L.) and Poppy Seed-Containing Products. FOODS, 2020, 9, 1429. DOI: 10.3390/foods9101429
4.
Mihalik, D.; Lancaricova, A.; Mrkvova, M.; Kanukova, S.; Moravcikova, J.; Glasa, M.; Subr, Z.; Predajna, L.; Hancinsky, R.; Gresikova, S.; Havrlentova, M.; Hauptvogel, P.; Kraic, J.: Diacylglycerol Acetyltransferase Gene Isolated from *Euonymus europaeus* L. Altered Lipid Metabolism in Transgenic Plant towards the Production of Acetylated Triacylglycerols. LIFE-BASEL, 2020, 10, 205. DOI: 10.3390/life10090205
5.
Kraic, J.; Mihalik, D.; Klcova, L.; Gubisova, M.; Klempova, T.; Hudcovicova, M.; Ondreickova, K.; Mrkvova, M.; Havrlentova, M.; Gubis, J.; Certik, M.: Progress in the genetic engineering of cereals to produce essential polyunsaturated fatty acids JOURNAL OF BIOTECHNOLOGY, 2018, 284, 115-122. DOI: 10.1016/j.jbiotec.2018.08.009

VI.4 - Najvýznamnejšie ohlasy na výstupy tvorivej činnosti

1.

Gubisova, M.; Gubis, J.; Zofajova, A.; Mihalik, D.; Kraic, J.: Enhanced in vitro propagation of *Miscanthus x giganteus*. *INDUSTRIAL CROPS AND PRODUCTS*, 2013, 41, 279-282. DOI: 10.1016/j.indcrop.2012.05.004

Record 1 of 10 Title: The Past, Present and Future of *Cannabis sativa* Tissue Culture Author(s): Monthony, AS (Monthony, Adrian S.); Page, SR (Page, Serena R.); Hesami, M (Hesami, Mohsen); Jones, AMP (Jones, Andrew Maxwell P.) Source: *PLANTS-BASEL* Volume: 10 Issue: 1 Article Number: 185 DOI: 10.3390/plants10010185 Published: JAN 2021

Record 2 of 10 Title: Improving callus regeneration of *Miscanthus x giganteus* JM Greef, Deuter ex Hodk., Renvoize "M161" callus by inhibition of the phenylpropanoid biosynthetic pathway Author(s): Downey, CD (Downey, Cassandra Doll); Zon, J (Zon, Jerzy); Jones, AMP (Jones, Andrew Maxwell Phineas) Source: *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT* Volume: 55 Issue: 1 Pages: 109-120 DOI: 10.1007/s11627-018-09957-z Published: FEB 2019

Record 3 of 10 Title: *Miscanthus x giganteus*: Regeneration system with assessment of genetic and epigenetic stability in long-term in vitro culture Author(s): Cichorz, S (Cichorz, Sandra); Goska, M (Goska, Maria); Mankowski, DR (Mankowski, Dariusz R.) Source: *INDUSTRIAL CROPS AND PRODUCTS* Volume: 116 Pages: 150-161 DOI: 10.1016/j.indcrop.2018.02.055 Published: JUN 2018

Record 4 of 10 Title: Establishing *Miscanthus x giganteus* crops in Ireland through nodal propagation by harvesting stems in autumn and sowing them immediately into a field Author(s): O'Loughlin, J (O'Loughlin, John); McDonnell, K (McDonnell, Kevin); Finnan, J (Finnan, John) Source: *BIOMASS & BIOENERGY* Volume: 107 Pages: 345-352 DOI: 10.1016/j.biombioe.2017.08.010 Published: DEC 2017

Record 5 of 10 Title: *MISCANTHUS*: GENETIC DIVERSITY AND A METHOD OF PLOIDY VARIABILITY IDENTIFICATION USING FLUORESCENT CYTOPHOTOMETRY Author(s): Kovalchuk, NS (Kovalchuk, N. S.); Roik, MV (Roik, M. V.) Source: *AGRICULTURAL SCIENCE AND PRACTICE* Volume: 4 Issue: 3 Pages: 19-27 DOI: 10.15407/agrisp4.03.019 Published: 2017

Record 6 of 10 Title: Present and future options for *Miscanthus* propagation and establishment Author(s): Xue, S (Xue, Shuai); Kalinina, O (Kalinina, Olena); Lewandowski, I (Lewandowski, Iris) Source: *RENEWABLE & SUSTAINABLE ENERGY REVIEWS* Volume: 49 Pages: 1233-1246 DOI: 10.1016/j.rser.2015.04.168 Published: SEP 2015

Record 7 of 10 Title: Direct and indirect in vitro regeneration of *Miscanthus x giganteus* cultivar Freedom: effects of explant type and medium on regeneration efficiency Author(s): Perera, D (Perera, Dinum); Barnes, DJ (Barnes, Daniel J.); Baldwin, BS (Baldwin, Brian S.); Reichert, NA (Reichert, Nancy A.) Source: *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT* Volume: 51 Issue: 3 Pages: 294-302 DOI: 10.1007/s11627-015-9682-0 Published: JUN 2015

Record 8 of 10 Title: In vitro-propagated *Miscanthus x giganteus* plants can be a source of diversity in terms of their chemical composition Author(s): Plazek, A (Plazek, A.); Dubert, F (Dubert, F.); Kopec, P (Kopec, P.); Krepski, T (Krepski, T.); Kacorz, P (Kacorz, P.); Micek, P (Micek, P.); Kurowska, M (Kurowska, M.); Szarejko, I (Szarejko, I.); Zurek, G (Zurek, G.) Source: *BIOMASS & BIOENERGY* Volume: 75 Pages: 142-149 DOI: 10.1016/j.biombioe.2015.02.009 Published: APR 2015

Record 9 of 10 Title: *Miscanthus*: Genetic Diversity and Genotype Identification Using ISSR and RAPD Markers Author(s): Cichorz, S (Cichorz, Sandra); Goska, M (Goska, Maria); Litwiniec, A (Litwiniec, Anna) Source: *MOLECULAR BIOTECHNOLOGY* Volume: 56 Issue: 10 Pages: 911-924 DOI: 10.1007/s12033-014-9770-0 Published: OCT 2014

Record 10 of 10 Title: In vitro flowering and seed production in regenerated shoots of *Cleome viscosa* Author(s): Rathore, NS (Rathore, Nitika Singh); Rathore, N (Rathore, Nisha); Shekhawat, NS (Shekhawat, N. S.) Source: *INDUSTRIAL CROPS AND PRODUCTS* Volume: 50 Pages: 232-236 DOI: 10.1016/j.indcrop.2013.07.032 Published: OCT 2013

2.

Havrlentova, M.; Kraic, J.: Content of beta-D-glucan in cereal grains. *JOURNAL OF FOOD AND NUTRITION*

Record 1 of 10 By: Xu, DF (Xu, Dengfeng); Liu, HC (Liu, Hechun); Yang, C (Yang, Chao); Xia, H (Xia, Hui); Pan, D (Pan, Da); Yang, X (Yang, Xian); Yang, LG (Yang, Ligang); Wang, SK (Wang, Shaokang); Sun, GJ (Sun, Guiju) Title: Effects of different delivering matrices of beta-glucan on lipids in mildly hypercholesterolaemic individuals: a meta-analysis of randomised controlled trials Source: BRITISH JOURNAL OF NUTRITION, Volume: 125, Issue: 3 Pages: 294-307. DOI: 10.1017/S0007114520001610 Published: FEB 14 2021 Record 2 of 10 By: Shoukat, M (Shoukat, Mahtab); Sorrentino, A (Sorrentino, Angela) Title: Cereal beta-glucan: a promising prebiotic polysaccharide and its impact on the gut health Source: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY DOI: 10.1111/ijfs.14971 Early Access Date: JAN 2021 Record 3 of 10 By: Geng, L (Geng, La); Li, MD (Li, Mengdi); Xie, SG (Xie, Shanggeng); Wu, DZ (Wu, Dezhi); Ye, LZ (Ye, Lingzhen); Zhang, GP (Zhang, Guoping) Title: Identification of genetic loci and candidate genes related to beta-glucan content in barley grain by genome-wide association study in International Barley Core Selected Collection Source: MOLECULAR BREEDING, Volume: 41, Issue: 1, Article Number: 6 DOI: 10.1007/s11032-020-01199-5 Published: JAN 13 2021 Record 4 of 10 By: Adeleye, OO (Adeleye, Oluwafunmilayo Oluwanifemi); Ogunwole, OA (Ogunwole, Olugbenga Adeniran); Olumide, MD (Olumide, Martha Dupe); Ojediran, TT (Ojediran, Tawakalt Temitope) Title: Whole pearl millet feeding does not impair performance and nutrient digestibility in 28-day-old broiler chickens Source: JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION, Volume: 104, Issue: 2 Pages: 517-528. DOI: 10.1111/jpn.13276. Published: MAR 2020 Record 5 of 10 By: Danilova, TV (Danilova, Tatiana, V); Poland, J (Poland, Jesse); Friebe, B (Friebe, Bernd) Title: Production of a complete set of wheat-barley group-7 chromosome recombinants with increased grain beta-glucan content Source: THEORETICAL AND APPLIED GENETICS, Volume: 132, Issue: 11 Pages: 3129-3141 DOI: 10.1007/s00122-019-03411-3 Published: NOV 2019 Record 6 of 10 By: Dotsenko, G (Dotsenko, Gleb); Andersson, AAM (Andersson, Annica A. M.); Andersson, R (Andersson, Roger) Title: Material disintegration affects enzymatic determination of beta-glucan in barley and oats Source: JOURNAL OF CEREAL SCIENCE Volume: 88, Pages: 138-144 DOI: 10.1016/j.jcs.2019.05.018 Published: JUL 2019 Record 7 of 10 By: Rogers, CW (Rogers, Christopher W.); Dari, B (Dari, Biswanath); Hu, GS (Hu, Gongshe); Mikkelsen, R (Mikkelsen, Robert) Title: Dry matter production, nutrient accumulation, and nutrient partitioning of barley Source: JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE Volume: 182, Issue: 3, Pages: 367-373 DOI: 10.1002/jpln.201800336 Published: JUN 2019 Record 8 of 10 By: Huma, BU (Huma, Badar Ul Ain); Saeed, F (Saeed, Farhan); Khan, MA (Khan, Muhammad Asif); Niaz, B (Niaz, Bushra); Tufail, T (Tufail, Tabussam); Anjum, FM (Anjum, Faqir Muhammad); Hussain, S (Hussain, Shahzad); Rohi, M (Rohi, Madiha) Title: Isolation and characterization of cereal cell walls Source: INTERNATIONAL JOURNAL OF FOOD PROPERTIES, Volume: 22 Issue: 1, Pages: 130-137 DOI: 10.1080/10942912.2019.1573832 Published: JAN 1 2019 Record 9 of 10 By: Suriano, S (Suriano, Serafino); Iannucci, A (Iannucci, Anna); Codianni, P (Codianni, Pasquale); Fares, C (Fares, Clara); Russo, M (Russo, Mario); Pecchioni, N (Pecchioni, Nicola); Marciello, U (Marciello, Ugo); Savino, M (Savino, Michele) Title: Phenolic acids profile, nutritional and phytochemical compounds, antioxidant properties in colored barley grown in southern Italy Source: FOOD RESEARCH INTERNATIONAL, Volume: 113, Pages: 221-233 DOI: 10.1016/j.foodres.2018.06.072 Published: NOV 2018 Record 10 of 10 By: Liu, HF (Liu, Huifan); Gong, F (Gong, Fan); Wei, FS (Wei, Fashan); Lai, FR (Lai, Furao); Zhang, XY (Zhang, Xiaoyuan); Wu, H (Wu, Hui) Title: Artificial simulated gastrointestinal digestion of four carbohydrates containing beta-D-1 -> 4 linkages and new GC-TQ/MS-MS method for characterising released monosaccharides Source: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 53, Issue: 8, Pages: 1992-2005 DOI: 10.1111/ijfs.13788 Published: AUG 2018

3.

Blaszczyk, L.; Chelkowski, J.; Korzun, V.; Kraic, J.; Ordon, F.; Ovesna, J.; Purnhauser, L.; Tar, M.; Vida, G.: Verification of STS markers for leaf rust resistance genes of wheat by seven European laboratories. CELLULAR & MOLECULAR BIOLOGY LETTERS, 2004, 9, 805-817

Record 1 of 10 By: Aktar-Uz-Zaman, M (Aktar-Uz-Zaman, Md); Tuhina-Khatun, M (Tuhina-Khatun, Mst); Hanafi, MM (Hanafi, Mohamed Musa); Sahebi, M (Sahebi, Mahbod) Title: Genetic analysis of rust resistance genes in global wheat cultivars: an overview Source: BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT Volume: 31, Issue: 3, Pages: 431-445, DOI: 10.1080/13102818.2017.1304180 Published: 2017

Record 2 of 10 By: Esmail, RM (Esmail, R. M.); Sattar, AAA (Sattar, A. A. Abdel); Mahfouzel, HA (Mahfouzel, Heba A.); Mahfouze, SA (Mahfouze, Sherin A.); Abou-Ellail, MA (Abou-Ellail, M. A.) Title: Evaluation of Leaf Rust Resistant by Detection of Lr Genes in New Egyptian Wheat Lines Source: RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES, Volume: 6 Issue: 2, Pages: 1215-1222 Published: MAR-APR 2015

Record 3 of 10 By: Kwiatek, M (Kwiatek, M.); Blaszczyk, L (Blaszczyk, L.); Wisniewska, H (Wisniewska, H.); Apolinska, B (Apolinska, B.) Title: Aegilops-Secale amphiploids: chromosome categorisation, pollen viability and identification of fungal disease resistance genes Source: JOURNAL OF APPLIED GENETICS, Volume: 53, Issue: 1 Pages: 37-40, DOI: 10.1007/s13353-011-0071-z Published: FEB 2012

Record 4 of 10 By: Kumar, Yogesh; Kumar, Santosh; Saharan, M. S.; Chhokar, Vinod; Tiwari, Jag Shoran Ratan; Mishra, B. Title: DNA MARKER ASSISTED INCORPORATION OF LR35 GENE IN WHEAT Source: Plant Cell Biotechnology and Molecular Biology, Volume: 12, Issue: 1-4, Pages: 71-76, Published: MAR-DEC 2011

Record 5 of 10 By: Todorovska, E (Todorovska, E.); Christov, N (Christov, N.); Slavov, S (Slavov, S.); Christova, P (Christova, P.); Vassilev, D (Vassilev, D.) Title: BIOTIC STRESS RESISTANCE IN WHEAT - BREEDING AND GENOMIC SELECTION IMPLICATIONS Source: BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT Volume: 23, Issue: 4, Pages: 1417-1426 DOI: 10.2478/V10133-009-0006-6 Published: NOV 2009

Record 6 of 10 By: Mebrate, SA (Mebrate, Sewalem A.); Dehne, HW (Dehne, Heinz-W.); Pillen, K (Pillen, Klaus); Oerke, EC (Oerke, Erich-C.) Title: Postulation of seedling leaf rust resistance genes in selected Ethiopian and German bread wheat cultivars Source: CROP SCIENCE, Volume: 48 Issue: 2, Pages: 507-516 DOI: 10.2135/cropsci2007.03.0173 Published: MAR-APR 2008

Record 7 of 10 By: Nocente, F (Nocente, Francesca); Gazza, L (Gazza, Laura); Pasquini, M (Pasquini, Marina) Title: Evaluation of leaf rust resistance genes Lr1, Lr9, Lr24, Lr47 and their introgression into common wheat cultivars by marker-assisted selection Source: EUPHYTICA, Volume: 155 Issue: 3, Pages: 329-336 DOI: 10.1007/s10681-006-9334-x Published: JUN 2007

Record 8 of 10 By: Dwivedi, SL (Dwivedi, Sangam L.); Crouch, JH (Crouch, Jonathan H.); Mackill, DJ (Mackill, David J.); Xu, Y (Xu, Yunbi); Blair, MW (Blair, Matthew W.); Ragot, M (Ragot, Michel); Upadhyaya, HD (Upadhyaya, Hari D.); Ortiz, R (Ortiz, Rodomiro) Edited by: Sparks, DL (Sparks, DL) Title: The molecularization of public sector crop breeding: Progress, problems, and prospects Source: ADVANCES IN AGRONOMY, VOL 95, Book Series Title: Advances in Agronomy, Volume: 95, Pages: 163-318 DOI: 10.1016/S0065-2113(07)95003-8 Published: 2007

Record 9 of 10 By: Bulos, M (Bulos, Mariano); Echarte, M (Echarte, Mariel); Sala, C (Sala, Carlos) Title: Occurrence of the rust resistance gene Lr37 from in Argentine cultivars of wheat Source: ELECTRONIC JOURNAL OF BIOTECHNOLOGY, Volume: 9, Issue: 5 Pages: 580-586 DOI: 10.2225/vol9-issue5-fulltext-14 Published: OCT 15 2006

Record 10 of 10 By: Bulos, Mariano; Echarte, Mariel; Sala, Carlos Title: Occurrence of the rust resistance gene Lr37 from Aegilops ventricosa in Argentine cultivars of wheat Source: Electronic Journal of Biotechnology, Volume: 9, Issue: 5 Pages: 0-0 Published: 2006-10

4.

Mikulikova, D.; Masar, S.; Kraic, J.: Biodiversity of legume health-promoting starch. STARCH-STARKE, 2008, 60, 426-432 DOI: 10.1002/star.200700693

Record 1 of 10 By: Rojas-Molina, I (Rojas-Molina, Isela); Mendoza-Avila, M (Mendoza-Avila, Monserrat); Cornejo-Villegas, MD (de los Angeles Cornejo-Villegas, Maria); Del Real-Lopez, A (Del Real-Lopez, Alicia); Rivera-Munoz, E (Rivera-Munoz, Eric); Rodriguez-Garcia, M (Rodriguez-Garcia, Mario); Gutierrez-Cortez, E (Gutierrez-Cortez, Elsa) Title: Physicochemical Properties and Resistant Starch Content of Corn Tortilla Flours Refrigerated at Different Storage Times Source: FOODS, Volume: 9, Issue: 4 Article Number: 469, DOI: 10.3390/foods9040469 Published: APR 2020

Record 2 of 10 By: Jayawardena, N (Jayawardena, Nilakshi); Herath, PN (Herath, Pavithra N.); Watawana, MI (Watawana, Mindani I.); Waisundara, VY (Waisundara, Viduranga Y.) Title: EFFECTS OF PROCESSING AND STORAGE CONDITIONS ON THE IN VITRO DIGESTIBILITY AND OTHER FUNCTIONAL PROPERTIES OF SIX SOUTH ASIAN STARCHES Source: JOURNAL OF FOOD PROCESSING AND PRESERVATION Volume: 41, Issue: 4, Article Number: e13017, DOI: 10.1111/jfpp.13017 Published: AUG 2017

Record 3 of 10 By: Raja, RB (Raja, Ramadoss Bharathi); Agasimani, S (Agasimani, Somanath); Jaiswal, S (Jaiswal, Sarita); Thiruvengadam, V (Thiruvengadam, Venkatesan); Sabariappan, R (Sabariappan, Robin); Chibbar, RN (Chibbar, Ravindra N.); Ram, SG (Ram, Sundaram Ganesh) Title: EcoTILLING by sequencing reveals polymorphisms in genes encoding starch synthases that are associated with low glycemic response in rice Source: BMC PLANT BIOLOGY, Volume: 17, Article Number: 13 DOI: 10.1186/s12870-016-0968-0 Published: JAN 14

2017

Record 4 of 10 By: Waduge, RN (Waduge, Renuka Nilmini); Warkentin, TD (Warkentin, Thomas D.); Donner, E (Donner, Elizabeth); Cao, R (Cao, Rong); Ramdath, DD (Ramdath, D. Dan); Liu, Q (Liu, Qiang) Title: Structure, Physicochemical Properties, and In Vitro Starch Digestibility of Yellow Pea Flour Modified with Different Organic Acids Source: CEREAL CHEMISTRY, Volume: 94, Issue: 1, Pages: 142-150 DOI: 10.1094/CCHEM-03-16-0068-FI Published: JAN-FEB 2017

Record 5 of 10 By: Ashwar, BA (Ashwar, Bilal Ahmad); Gani, A (Gani, Adil); Shah, A (Shah, Asima); Wani, IA (Wani, Idrees Ahmed); Masoodi, FA (Masoodi, Farooq Ahmad) Title: Preparation, health benefits and applications of resistant starch - a review Source: STARCH-STARKE, Volume: 68 Issue: 3-4, Special Issue: SI, Pages: 287-301, DOI: 10.1002/star.201500064 Published: APR 2016

Record 6 of 10 By: Anyasi, TA (Anyasi, Tonna A.); Jideani, AIO (Jideani, Afam I. O.); Mchau, GRA (Mchau, Godwin R. A.) Title: Functional Properties and Postharvest Utilization of Commercial and Noncommercial Banana Cultivars Source: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY, Volume: 12, Issue: 5, Pages: 509-522, DOI: 10.1111/1541-4337.12025 Published: SEP 2013

Record 7 of 10 By: Smith, CE (Smith, Christopher E.); Mollard, RC (Mollard, Rebecca C.); Luhovyy, BL (Luhovyy, Bohdan L.); Anderson, GH (Anderson, G. Harvey) Title: The effect of yellow pea protein and fibre on short-term food intake, subjective appetite and glycaemic response in healthy young men Source: BRITISH JOURNAL OF NUTRITION, Volume: 108, Pages: S74-S80, DOI: 10.1017/S0007114512000700 Published: AUG 2012

Record 8 of 10 By: Chiou, SY (Chiou, Shiow Ying); Chen, HJ (Chen, Huei Juan); Jeng, TL (Jeng, Toong Long); Sung, JM (Sung, Jih Min) Title: Microstructures of starch granule, starch digestibilities and predicted glycaemic index of common bean mutants in Taiwan Source: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, Volume: 46, Issue: 8, Pages: 1646-1653, DOI: 10.1111/j.1365-2621.2011.02674.x Published: AUG 2011

Record 9 of 10 By: Chibbar, RN (Chibbar, Ravindra N.); Ambigaipalan, P (Ambigaipalan, Priyatharini); Hoover, R (Hoover, Ratnajothi) Title: Molecular Diversity in Pulse Seed Starch and Complex Carbohydrates and Its Role in Human Nutrition and Health Source: CEREAL CHEMISTRY, Volume: 87, Issue: 4, Pages: 342-352 DOI: 10.1094/CCHEM-87-4-0342 Published: JUL-AUG 2010

Record 10 of 10 By: Fuentes-Zaragoza, E (Fuentes-Zaragoza, E.); Riquelme-Navarrete, MJ (Riquelme-Navarrete, M. J.); Sanchez-Zapata, E (Sanchez-Zapata, E.); Perez-Alvarez, JA (Perez-Alvarez, J. A.) Title: Resistant starch as functional ingredient: A review Source: FOOD RESEARCH INTERNATIONAL, Volume: 43, Issue: 4, Pages: 931-942 DOI: 10.1016/j.foodres.2010.02.004

5.
Gregova, E.; Hermuth, J.; Kraic, J.; Dotlacil, L.: Protein heterogeneity in European wheat landraces and obsolete cultivars Source: GENETIC RESOURCES AND CROP EVOLUTION, Volume: 46, Issue: 5, Pages: 521-528, DOI: 10.1023/A:1008751815445 Published: OCT 1999

Record 1 of 10 By: Paczos-Grzeda, E (Paczos-Grzeda, Edyta); Boczkowska, M (Boczkowska, Maja); Sowa, S (Sowa, Sylwia); Koroluk, A (Koroluk, Aneta); Toporowska, J (Toporowska, Joanna) Title: Hidden Diversity of Crown Rust Resistance within Genebank Resources of *Avena sterilis* L. Source: AGRONOMY-BASEL, Volume: 11, Issue: 2, Article Number: 315 DOI: 10.3390/agronomy11020315 Published: FEB 2021

Record 2 of 10 By: Lakhneko, O (Lakhneko, Olha); Danchenko, M (Danchenko, Maksym); Morgun, B (Morgun, Bogdan); Kovac, A (Kovac, Andrej); Majerova, P (Majerova, Petra); Skultety, L (Skultety, Ludovit) Title: Comprehensive Comparison of Clinically Relevant Grain Proteins in Modern and Traditional Bread Wheat Cultivars Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 21, Issue: 10, Article Number: 3445 DOI: 10.3390/ijms21103445 Published: MAY 2020

Record 3 of 10 By: Lee, S (Lee, Sukyeung); Choi, YM (Choi, Yu-Mi); Lee, MC (Lee, Myung-Chul); Hyun, DY (Hyun, Do Yoon); Oh, S (Oh, Sejong); Jung, Y (Jung, Yeonju) Title: Geographical comparison of genetic diversity in Asian landrace wheat (*Triticum aestivum* L.) germplasm based on high-molecular-weight glutenin subunits Source: GENETIC RESOURCES AND CROP EVOLUTION, Volume: 65, Issue: 6, Pages: 1591-1602 DOI: 10.1007/s10722-018-0633-6 Published: AUG 2018

Record 4 of 10 By: Boczkowska, M (Boczkowska, Maja); Lapinski, B (Lapinski, Boguslaw); Kordulasinska, I (Kordulasinska, Izabela); Dostatny, DF (Dostatny, Denise F.); Czembor, JH (Czembor, Jerzy H.) Title: Promoting the Use of Common Oat Genetic Resources through Diversity Analysis and Core Collection Construction Source: PLOS ONE, Volume: 11, Issue: 12, Article Number: e0167855 DOI: 10.1371/journal.pone.0167855 Published: DEC 13 2016

Record 5 of 10 By: Boczkowska, M (Boczkowska, M.); Onysk, A (Onysk, A.) Title: Unused genetic resources: a case study of Polish common oat germplasm Source: ANNALS OF APPLIED BIOLOGY, Volume: 169, Issue: 1, Pages: 155-165, DOI: 10.1111/aab.12289 Published: JUL 2016

Record 6 of 10 By: Li, XJ (Li, X. J.); Xu, X (Xu, X.); Li, XQ (Li, X. Q.); Yang, XM (Yang, X. M.); Liu, WH (Liu, W. H.); Li, LH (Li, L. H.) Title: Genetic Variation of Wheat Landraces from China as Revealed by Gliadin and Microsatellite Markers Source: CEREAL RESEARCH COMMUNICATIONS, Volume: 41, Issue: 4, Pages: 573-582 DOI: 10.1556/CRC.41.2013.4.7 Published: DEC 2013

Record 7 of 10 By: Guo, XM (Guo, Xiaomin); Li, HQ (Li, Hongqin); Xiang, JS (Xiang, Jishan); Xu, X (Xu, Xin); Liu, WH (Liu, Weihua); Gao, AN (Gao, Ainong); Yang, XM (Yang, Xinming); Wang, RH (Wang, Ruihui); Li, XQ (Li, Xiuquan); Li, LH (Li, Lihui) Title: Genetic Variation of High Molecular Weight Glutenin Subunits in Wheat Accessions in China Source: CROP SCIENCE, Volume: 51 Issue: 6, Pages: 2423-2429 DOI: 10.3191/CRS.2016.51.6.2423 Published: NOV 2017

10.2135/cropsci.2010.12.0724 Published: NOV 2011

Record 8 of 10 By: Terasawa, Y (Terasawa, Yohei); Takata, K (Takata, Kanenori); Hirano, H (Hirano, Hisashi); Kato, K (Kato, Kenji); Kawahara, T (Kawahara, Taihachi); Sasakuma, T (Sasakuma, Tetsuo); Sasanuma, T (Sasanuma, Tsuneo) Title: Genetic variation of high-molecular-weight glutenin subunit composition in Asian wheat Source: GENETIC RESOURCES AND CROP EVOLUTION, Volume: 58 Issue: 2, Pages: 283-289 DOI: 10.1007/s10722-010-9573-5 Published: FEB 2011

Record 9 of 10 By: Newton, AC (Newton, A. C.); Akar, T (Akar, T.); Baresel, JP (Baresel, J. P.); Bebeli, PJ (Bebeli, P. J.); Bettencourt, E (Bettencourt, E.); Bladenopoulos, KV (Bladenopoulos, K. V.); Czembor, JH (Czembor, J. H.); Fasoula, DA (Fasoula, D. A.); Katsiotis, A (Katsiotis, A.); Koutis, K (Koutis, K.); Koutsika-Sotiriou, M (Koutsika-Sotiriou, M.); Kovacs, G (Kovacs, G.); Larsson, H (Larsson, H.); de Carvalho, MAAP (Pinheiro de Carvalho, M. A. A.); Rubiales, D (Rubiales, D.); Russell, J (Russell, J.); Dos Santos, TMM (Dos Santos, T. M. M.); Patto, MCV (Vaz Patto, M. C.) Title: Cereal landraces for sustainable agriculture. A review Source: AGRONOMY FOR SUSTAINABLE DEVELOPMENT, Volume: 30, Issue: 2, Pages: 237-269, DOI: 10.1051/agro/2009032 Published: APR-JUN 2010

Record 10 of 10 By: Liu, Y (Liu, Yong); Xiong, ZY (Xiong, Zhi-Yong); He, YG (He, Yong-Gang); Shewry, PR (Shewry, Peter R.); He, GY (He, Guang-yuan) Title: Genetic diversity of HMW glutenin subunit in Chinese common wheat (Triticum aestivum L.) landraces from Hubei province Source: GENETIC RESOURCES AND CROP EVOLUTION, Volume: 54, Issue: 4, Pages: 865-874, DOI: 10.1007/s10722-006-9154-9 Published: JUN 2007

VI.5 - Účasť na riešení (vedení) najvýznamnejších vedeckých projektov alebo umeleckých projektov za posledných šesť rokov

1.
313011W112 Udržateľné systémy inteligentného farmárstva zohľadňujúce výzvy budúcnosti (Sustainable smart farming systems taking into account the challenges of the future) (OPII)
2.
INTERREG SK-AT- SKATB303 Identifikácia a autentifikácia regionálnej produkcie ovocia (Identification and authentication of regional fruit production)
3.
APVV-18-0005 Analýza faktorov ovplyvňujúcich odpoveď plodiny na infekciu potyvírusmi na molekulárnej a bunkovej úrovni (Analysis of factors affecting crop response to potyvirus infection at the molecular and cellular levels)
4.
APVV-20-0015 Moderné "omics" postupy ako efektívne nástroje pre identifikáciu a charakterizáciu vírusových patogénov strukovín (Modern "omics" procedures as effective tools for the identification and characterization of legume viral pathogens)
5.
APVV-21-0289 Štúdium alelopatického a antivírusového účinku sekundárnych metabolitov lišajníkov (Study of allelopathic and antiviral effect of lichen secondary metabolites)

VII. - Prehľad aktivít v organizovaní vysokoškolského vzdelávania a tvorivých činností

VII.a - Aktivita, funkcia	VII.b - Názov inštitúcie, grémia	VII.c - Časové vymedzenia pôsobenia
člen	Vedecká rada FPV UCM	2010-doteraz
garant/osoba zodpovedná za ŠP/ ŠP Biotechnológie - II. a III. stupeň	FPV UCM	2018-doteraz
člen päťice pre OHIK - Molekulárna biológia	FPV UCM	2017-doteraz

VIII. - Prehľad zahraničných mobilít a pôsobenia so zameraním na vzdelávanie a tvorivú činnosť v študijnom odbore

VIII.a - Názov inštitúcie	VIII.b - Sídlo inštitúcie	VIII.c - Obdobie trvania pôsobenia/pobytu (uviest dátum odkedy dokedy trval pobyt)	VIII.d - Mobilitná schéma, pracovný kontrakt, iné (popísať)
University of Illinois, Iowa State University, Cornell University	Urbana Champaign, Ames, Ithaca (USA)	2000	Cochran Fellowship Program
Università Degli Studi di Udine	Udine (Taliansko)	1997-1999	INCO-Copernicus Program
Technische Universität München, Lehrstuhl für Pflanzenbau und Pflanzenzüchtung	Freising-Weihenstephan (Nemecko)	1993	Pracovný pobyt
Biological Research Center	Szeged, Maďarsko	1990	Metódy molekulárnej biológie rastlín
Univerzita Karlova, Fakulta prírodných vied	Praha, Česká republika	1990-1991	Postgraduálny kurz kultúr in vitro rastlín
Elita Povolžia	Saratov, bývalý ZSSR	1988	In vitro kultúry pšenice a jačmeňa
Mendelova univerzita v Brne	Brno, Česká republika	1.-8.9.2023	Erasmus+, Agronomická fakulta, Zahradnícká fakulta, Mendeleum

IX. - Iné relevantné skutočnosti

Dátum poslednej aktualizácie

15.01.2024