

List of posters

P1 Bee vision and learning

- P1 .01 ASSOCIATIVE VISUAL LEARNING, COLOR DISCRIMINATION, AND CHROMATIC ADAPTATION IN THE HARNESSSED HONEYBEE
Sayaka Hori, Hideaki Takeuchi, Kentaro Arikawa, Michiyo Kinoshita, Naoko Ichikawa, Masami Sasaki, Takeo Kubo
- P1.02 HONEYBEE WORKERS EXCEL IN DISTINCTION AND LEARNING OF COLORS, SHAPES AND PATTERNS
Sayaka Hori
- P1.03 BEE ORIENTATION UNDER NEW ENERGY SAVING GREENHOUSE CLADDINGS
Tjeerd Blacquière, Bram Cornelissen & Jeroen Donders

P2 Physiology and behaviour

- P2.01 DIFFERENCES BETWEEN FORAGING GROUPS IN A LEARNING TASK BUT NO CORRELATION IN PERFORMANCE BETWEEN TASKS
Sharoni Shafir¹, Tamar Drezner-Levy¹ and Brian H. Smith²
- P2.02 DO HONEYBEES, APIS MELLIFERA SCUTELLATA, REGULATE HUMIDITY IN THEIR NEST?
Hannelie HUMAN, Sue W. NICOLSON, Vincent DIETEMANN
- P2.03 How do baby bees find a temperature optimum
R. Thenius, T. Schmickl and K. Crailsheim
- P2.04 Age specificity in expression of fat body proteins in honeybee (*Apis mellifera* L.) during ontogenesis
Evgeniya Ivanova, Teodora Staykova
- P2.05 RNA interference and olfactory memory in the honeybee
Lucile Garreau, Sabrina Oliveira, Claire Marty, Didier Fournier, Martin Giurfa, Valérie Raymond-Delpech, Monique Gauthier
- P2.06 PROTEIN SUPPLEMENTATION IN HONEYBEE COLONIES – WHERE DOES THE PROTEIN GO?
K. Crailsheim, U. Riessberger, R. Thenius, H. Kovac, J. Vollmann and R. Brodschneider
- P2.07 FIPRONIL EFFECT ON SIDE-SPECIFIC ANTENNAL TACTILE LEARNING IN THE HONEYBEE
A. Bernadou, R. Marionneau, L. de Pinho, J. C. Sandoz, M. Gauthier
- P2.08 DOMINANCE HIERARCHIES IN EXPERIMENTAL GROUPS OF HONEYBEE WORKERS.
Holger Scharpenberg and Robin F.A. Moritz
- P2.09 DEPENDENCE OF THE MORPHOLOGICAL CHARACTERISTICS OF THE BEE VENOM GLAND OF THE HONEY BEE ON THE PARAMETERS OF THE THIRD TERGIT
Peter Nentchev PhD, P_Nentchev@hotmail.com, Lina Jordanova PhD, lina@uni-sz.bg
- P2.10 A TECHNIQUE FOR MEASURING TEMPERATURE DISTRIBUTIONS IN THE COMB OF HONEYBEES (APIS MELLIFERA)
Matthias Becher, Robin FA Moritz
- P2.11 CANDIDATE GENES INVOLVED IN THE HONEYBEE SOCIAL BEHAVIORS
Hideaki Takeuchi

P3 Honey bee viruses

- P3.01 DEVELOPMENT OF A TAQMAN REAL-TIME TWO-STEP RT-PCR ASSAY FOR QUANTIFICATION OF CHRONIC BEE PARALYSIS VIRUS (CBPV) GENOME
Philippe Blanchard, Magali Ribière, Olivier Celle, Frank Schurr, Perrine Lallemand, Violaine Olivier, Jean-Paul Faucon
- P3.02 THE CHRONIC BEE PARALYSIS VIRUS: A VIRUS LIKE NO OTHER; GENOMIC AND PHYLOGENETIC COMPARISON WITH OTHER BEE VIRUSES.
Violaine Olivier, Philippe Blanchard, Soraya Chaouch, Perrine Lallemand, Frank Schurr, Olivier Celle, Jean-Paul Faucon, Magali Ribière.
- P3.03 Transmission routes of Deformed wing virus
Constanze Yue and Elke Genersch
- P3.04 PREVALENCE OF SIX HONEYBEE VIRUSES IN BEEHIVES COLLECTED AT DIFFERENT AUSTRIAN LOCATIONS DURING DIFFERENT SEASONS, AND CORRELATION WITH NON-VIRAL DISEASES
Hemma Köglberger, Irmgard Derakhshifar, Jolanta Kolodziejek, Norbert Nowotny
- P3.05 THE FIRST RESULTS OF DIAGNOSTICS OF VIRAL DISEASES OF BEES IN SLOVAKIA
Cermakova T., Habovstiakova J., Kantikova M
- P3.06 RECIPROCAL SEQUENCE EXCHANGE BETWEEN NON-RETRO VIRUSES AND HOSTS LEADING TO THE APPEARANCE OF NEW HOST PHENOTYPES
Eyal Maori, Edna Tanne and Ilan Sela

P4 Pathogens & Diseases

- P4.01 PURIFICATION AND BIOCHEMICAL CHARACTERIZATION OF PROTEOLYTIC ENZYME OF BACTERIUM PAENIBACILLUS LARVAE SUBSP. LARVAE
J. Hrabák, O. Hrušková-Heidingsfeldová, K. Martinek
- P4.02 IDENTIFICATION OF VIRULENCE FACTORS OF P. LARVAE.
Ainura Ashiralieva, Rainer Borriss, Elke Genersch
- P4.03 MOLECULAR SCREENING BY PCR OF HONEY BEE LARVAE FOR MELISOCOCCUS PLUTONIUS INFECTION.
Pietro Arculeo, Anna Maria Di Noto, Fabrizio Vitale, , Maria Vitale.
- P4.04 A NEW APPROACH FOR AMERICAN FOULBROOD PREVENTION
Elena Bessi
- P4.05 EFFECT OF SANITIZING AND CURATIVE TREATMENTS ON THE INFESTATION OF BEE COLONIES BY THE SPORES OF PAENIBACILLUS LARVAE SUBSP. LARVAE
Krystyna Pohorecka, Dariusz Gerula, Małgorzata Bieńkowska, Beata Panasiuk
- P4.06 SURVIVAL OF AMERICAN FOULBROOD PATHOGEN IN HOT BEESWAX
M. Haklová, D. Titěra, M. Lutzová, P. Janoušová, M. Bednář
- P4.07 THE USE OF COMMERCIAL NUTRIENT AGAR TRIOS FOR DIAGNOSIS OF AMERICAN FOULBROOD IN HONEYBEES
M. Haklová,¹⁾ E. Bazgerová²⁾, D. Titěra¹⁾, J. Bzdil³⁾
- P4.08 SPREAD OF AMERICAN FOULBROOD THROUGH AETHINA TUMIDA?
Marc Schäfer
- P4.09 NOSEMA CERANAE AND NOSEMA APIS IN FRANCE: CO-INFECTIONS IN HONEY BEE COLONIES
Chauzat M.-P., Higes M., Martin R., Meana A., and Faucon J.-P.
- P4.10 THE INCIDENCE OF HONEYBEE PARASITES AND DISEASES IN TURKEY
I. ÇAKMAK and L. AYDIN
- P4.11 FIRST STEPS TOWARDS THE IN VITRO CULTIVATION OF NOSEMA CERANAE.
C. DEL AGUILA , F. IZQUIERDO, P.G PALENCIA, R. MARTIN , M. HIGES, S. FENOY.

- P4.12 HONEYBEE DISEASE CONTROL IN THE EU: THE COMMISSION'S DECISION FOR GRANTING EXEMPTIONS TO THE PRESCRIPTION-ONLY PRINCIPLE
Franco Mutinelli, Alessandra Baggio
- P4.13 AN APPROACH TO NOSEMA CERANAE CONTROL WITH FUMAGILLIN IN FIELD CONDITIONS.
Higes Mariano, Martín-Hernández Raquel, Garrido-Bailón Encarnación; Meana Aranzazu
- P4.14 EFFECTS OF NATURAL COMPOUNDS ON NOSEMA DISEASED HONEYBEES IN LABORATORY CONDITIONS
Marco Lodesani, Lara Maistrello, Cecilia Costa, Francesco Leonardi, Giovanna Marani
- P4.15 RELIABILITY OF DIAGNOSTIC METHODS TO DETECT NOSEMA SPP. SPORES IN HONEY BEES: MOLECULAR IDENTIFICATION VERSUS VISUAL OBSERVATION.
Martín-Hernández Raquel, Higes Mariano, Garrido M, Encarnación, García-Palencia, Pilar, Meana Aranzazu.
- P4.16 INFLUENCE OF SAMPLING IN THE DETECTION OF NOSEMA CERANAE SPORES.
Martín-Hernández Raquel, Higes Mariano, Garrido M Encarnación, Meana Aranzazu
- P4.17 EXPERIMENTAL INFECTION OF APIS MELLIFERA HONEYBEES WITH NOSEMA CERANAE SPORES.
Higes Mariano, Martín-Hernández Raquel, Meana Aranzazu, García-Palencia Pilar.
- P4.18 QUANTITATIVE METHOD FOR THE DIAGNOSIS OF HONEY-BEE NOSEMOSIS
Gabriela Chioveanu
- P4.19 ACTIVATION OF NOSEMA APIS SPORES BY CARBON DIOXIDE
Krystyna Czekońska
- P5 Macroparasites
- P5.01 CHECKING THE EFFICACY OF APIVAR® IN FRENCH COLONIES.
Faucon J.-P., Drajnudel P., Chauzat M.-P. and Aubert M.F.A.
- P5.02 THE EFFECT OF ALTERNATIVE ACARICIDES ON HONEY QUALITY IN ORGANIC BEEKEEPING
H. Garção, R. Alvares, L. Barros and M. Vilas-Boas
- P5.03 TOPSY-TURVY BROOD COMBS – IMPACT ON POPULATION DYNAMICS OF HONEY BEES (APIS MELLIFERA L.) AND VARROA DESTRUCTOR
Aumeier P, Kirchner WH, Liebig G
- P5.04 CHEMOTACTIC ORIENTATION OF THE SMALL HIVE BEETLE (AETHINA TUMIDA, NITIDULIDAE) IN LABORATORY BIOASSAYS
Sandra Mustafa, Peter Rosenkranz, Till Tolasch and Hannes Steidle
- P5.06 GENETIC PARAMETERS FOR VARROA TOLERANCE USED FOR ESTIMATING BREEDING VALUES IN THE HONEY BEE
Klaus Ehrhardt, Norbert Reinsch, Ralph Büchler, Claudia Garrido,, Kaspar Bienefeld
- P5.07 ACARICIDE (FLUVALINATE AND ACRINATHRIN) RESIDUES IN CZECH BEEWAX.
Hofbauer J., Krieg P.
- P5.08 SURVIVAL OF HONEY BEES DURING WINTER IN COLONIES INFECTED WITH VARROA DESTRUCTOR
Lonne Gerritsen
- P5.09 BROOD AND WORKER BEE VIABILITY AND CELLULAR RESPONSES AFTER ACARICIDE APPLICATIONS IN HONEYBEE COLONIES
Aleš Gregorc
- P5.10 COURSE OF VARRROA DESTRUCTOR INVASION IN BEE COLONIES TREATED WITH AMITRAZ
Rajmund Sokół, Konstanty Romaniuk, Wiesław Witkiewicz

- P6 Honey bee genetics and queen rearing
- P6.01 SEASONAL VARIATION OF PHOSPHOGLUCOMUTASE (PGM) ENZYME POLYMORPHISM IN HONEYBEES (*APIS MELLIFERA* L.) OF TURKEY
Kence, M., Gulduren, Z., Kence, A.
- P6.02 BREEDERS SELECTION WORK IN SERBIAN APICULTURE
Mića Mladenović, Nebojša Nedić, Ljubiša Stanisavljević, Slađan Rašić
- P6.03 THE MALE GENITAL SYSTEM OF *APIS MELLIFERA*: A MORPHOLOGICAL APPROACH
Moors L., Koeniger G., Billen J.
- P6.04 THE WEIGHT CHANGES AND REPRODUCTIVE TRAITS OF HONEY BEE QUEENS (*A. M. CAUCASICA*)
Yasin KAHYA and H. Vasfi GENÇER
- P6.05 STUDY ON FACTORS ACCELERATING OVIPOSITION OF INSTRUMENTALLY INSEMINATED QUEEN BEES.
Jasiński Z.1, Prabucki J.2, Wilde J.3, Woyke J.1, Chuda-Mickiewicz B.2, Siuda M.3, Madras-Majewska B.1, Samborski J.2, Bratkowski J.3, Jojczyk A.1, Bąk B.3
- P6.06 INFLUENCE OF VARIOUS CONCENTRATIONS OF CO₂ ON RESULTS OF INSTRUMENTAL INSEMINATION OF HONEYBEE QUEENS
dr M.Bieñkowska, mgr D.Gerula, mgr B.Panasiuk
- P6.07 INJURIES FORMATION IN PRODUCTION OF ARTIFICIALLY INSEMINATED QUEENS AND ITS INFLUENCE ON THEIR USEFUL VALUE
Gerula Dariusz, Bieñkowska Małgorzata
- P6.08 GENETIC VARIABILITY IN TURKISH HONEYBEE POPULATIONS WITH RAPD METHOD
Mehmet Ali Yıldıız, Fulya Özdil, Hasan Meydan, H. Vasfi Gençer
- P7 Diversity and conservation
- P7.01 MOLECULAR PHYLOGENY OF *A.MELLIFERA* SUBSPECIES OCCURING IN GREECE BASED ON SEQUENCING OF TWO MTDNA SEGMENTS.
E. Klossa-Kilia, Bouga M., Martimianakis S., Alahiotis S. and Kiliass G.
- P7.02 MICROSATELLITE ANALYSIS REVEALED THE MAINTENANCE OF GENETIC IDENTITY OF SUBSPECIES OF *APIS MELLIFERA* L. IN TURKEY IN SPITE OF INTENSIVE MIGRATORY BEEKEEPING
Bodur, C., Kence, M., Kence, A.
- P7.03 DETERMINATION OF GENETIC VARIATION IN NORTHERN IRAN HONEYBEE (*APIS MELLIFERA* MEDA) POPULATIONS USING MICROSATELLITE AND RAPD MARKERS
Kence, M., Jabbarifarhoud, H., Ivgin Tunca, R.
- P7.04 VARIATION OF MITOCHONDRIAL DNA IN HONEY BEES OF JORDAN.
Marina Meixner, Nizar Haddad, Stefan Fuchs
- P7.05 EUROPEAN BEES, THEIR MORFOLOGY AND MICROSATELLITES
František Kašpar¹, Tomáš Kott², Květoslav Čermák¹, Dalibor Titěra¹
- P7.06 CONSERVATION AND INCREASE THE NATIVE POLLINATOR NUMBERS IN NATURAL HABITAT
Nikolay Dobrynin
- P7.07 FLOWERING SET-ASIDES IN LARGE CULTIVATED ZONES: CONVERGING INTERESTS FOR FARMERS, THE BIODIVERSITY, LANDSCAPES AND BEEKEEPING
Axel Decourtye
- P7.08 BIOMONITORING IN AN ITALIAN NATURAL RESERVE
Albino Gallina, Alessandra Baggio, Franco Mutinelli
- P7.09 GENETIC VARIABILITY IN TURKISH HONEYBEE POPULATIONS WITH RAPD METHOD
Mehmet Ali Yıldıız, Fulya Özdil, Hasan Meydan, H. Vasfi Gençer

- P8 Pollination
- P8.01 THE POLLINATING INSECTS EFFECT ON SEED YIELD OF SUNFLOWER (*HELIANTHUS ANNUUS* L.)
PLANTATION.
Zbigniew Koltowski
- P8.02 MOTIVE OF INSECT POLLINATORS AND BEEKEEPING ON POSTAGE STAMPS
Robert Chlebo
- P8.03 IDENTIFICATION OF POLLEN FROM WILD, CULTIVATED AND ORNAMENTAL PLANTS IN LA LAGUNA
REGION, MEXICO
*José Luis Reyes- Carrillo, Rubi Muñoz-Soto, Frank A. Eischen , Francisca Sánchez-Bernal, Eduardo
Blanco-Contreras and Pedro Cano-Ríos*
- P8.04 ANALYSIS OF TRANSGENIC POLLEN IN RAPE HONEY WITH REAL TIME PCR
*Waiblinger, H.U.1, Ohmenhaeuser, M., Pietsch K., Ritter, W., Steegmüller, J., Horn, H. and Schroeder,
A.*
- P8.05 SPATIAL AND TEMPORAL DISTRIBUTION OF HONEYBEE FORAGERS IN A CANTALOUPE FIELD WITH
DIFFERENT COLONY DENSITIES
*Jose Luis Reyes-Carrillo1, Pedro Cano-Rios3, Frank A. Eischen2, Rafael Rodríguez-Martínez1 and
Urbano Nava-Camberos3*
- P8.06 CHANGES OF THE POLLEN SPECTRUM OF HONEYS DURING ITS RIPENING IN THE BEEHIVE
Dariusz Teper, Piotr Semkiw, Wojciech Skowronek, Piotr Skubida
- P8.07 RELATIONS BETWEEN *APIS MELLIFERA* L. AND TULIP TREE (*LIRIODENDRON TULIPIFERA* L.)
Roberta Ferrero Paola Ferrazzi
- P8.08 THE EFFECT OF POLLEN TRAPS ON THE POLLEN PREFERENCES OF HONEYBEES
Maria Dimou & Andreas Thrasyvoulou
- P8.09 THE EFFECTS OF HONEYBEE POLLINATION ON CANOLA WITH AND WITHOUT BOTTOM POLLEN TRAP HIVES
IN CAGES
M. OZI, A. KARASUI, A.T. GOKSOY2, N. OZMENI, I. ÇAKMAKI
- P8.10 TAGETES L. AS A POLLEN SOURCE FOR HONEYBEES
Anna Wróblewska, Zofia Magacz
- P8.11 PHENOTYPE VARIABILITY OF POLLEN GRAINS OF CHESTNUT (*CASTANEA SATIVA* MILL.)
1Nôžková, J. – 1Kunová, O. – 2Baranec, T. – 3Bolvanský, M. – 4Brindza, J. - 5Chlebo, R.
- P8.12 THE PRELIMINARY STUDY OF THE INFLUENCE OF POLLINATORS ON FRUCTIFICATION OF TWO CULTIVARS
OF *LONICERA KAMTCHATICA* (SEVAST.) POJARK.
Małgorzata Božek
- P8.13 THE POLLEN ABUNDANCE OF SOME EARLY SPRING FLORA OF ANTHROPOGENIC HABITATS AS A PART OF
APOIDEA FEEDING BAND
Bożena Denisow
- P8.14 FORAGE PATTERN ON *SOLIDAGO* L.
Monika Strzalkowska
- P8.15 NUTRITIONAL VALUE OF AN IMPORTANT SOUTH AFRICAN BEE POLLEN: THE FRESH, BEE-COLLECTED AND
STORED POLLEN OF *ALOE GREATHEADII* VAR *DAVYANA* (ASPHODELACEAE)
Hannelie Human and Sue, W. Nicolson
- P8.16 INFLUENCE OF DIFFERENT POLLEN CONSERVATION CONDITIONS. PRELIMINARY STUDIES.
Pérez Martín, R.A., González Lorente, M., Vela Hortigüela L. and de Lorenzo Carretero, C.
- P8.17 INSECT AND MITE PESTS INFESTING AND CONTAMINATING BEE BREAD AND POLLEN LOADS
W. Chmielewski
- P8.18 INTRASPECIFIC VARIABILITY OF POLLEN GRAINS OF COMMON POPPY (*PAPAVER SOMNIFERUM* L.)
O.Kunová, Z. Miklošiková , J. Nôžková, T. Baranec, J. Brindza

P9 Environmental Hazards to Honey Bees

- P9.01 EFFECT OF BT-CORN POLLEN ON THE DEVELOPMENT OF HONEYBEE LARVAE AND RESISTANCE OF ADULT WORKERS
Békési, L., Darvas, B., Székács, A., Lauber, É., Zajác, E., Szalai Mátray, E.
- P9.02 IS THE BACTERIAL COMMUNITY OF HONEY BEE INTESTINES AFFECTED BY THE CONSUMPTION OF INSECTICIDAL PROTEINS?
D. Babendreier, D. Joller, J. Romeis, F. Bigler and F. Widmer
- P9.03 IMIDACLOPRID AND BEE MORTALITY IN FRANCE.
AUBERT M., FAUCON J-P., MARTEL A.C. and CHAUZAT M.P.
- P9.04 NEW RISK ASSESSMENT OF HONEYBEES' INTOXICATION TO SYSTEMIC INSECTICIDES: THE CASE OF IMIDACLOPRID
Rortais A, Halm MP, Taséi JN, Arnold G
- P9.05 EFFECTS OF FIPRONIL IN HONEYBEES UNDER SEMI-FIELD CONDITIONS
Axel DECOURTYE
- P9.06 A CASE OF ACUTE INTOXICATION WITH CARBOFURAN IN BEES
D. Nica and E. Bianu
- P9.07 THE USE OF CHLORFENVINFOS: A MATTER OF CONCERN FOR ITALIAN BEEKEEPING
Albino Gallina, Alessandra Baggio, Franco Mutinelli
- P9.08 HONEYBEES - BIOINDICATORS IN A HEAVY METALS POLLUTED AREA
Elisabeta Bianu, Daniela Nica
- P9.09 CONCENTRATION OF LEAD AND CADMIUM IN BEES AND BEE BREAD
Anna Spodniewska, Konstanty Romaniuk
- P9.10 TRANSFER AND ACCUMULATION OF HEAVY METALS FROM CONTAMINATED SOILS INTO THE NESTS OF BOMBUS TERRESTRIS L. (HYMENOPTERA, APOIDEA) AND LITTLE HIVES OF APIS MELLIFERA L.(HYMENOPTERA, APOIDEA).
André Hamm
- P9.11 DEATH RATE AND WEAKENING OF HONEYBEES IN THE SOUTH PART OF BELGIUM.
Bach Kim NGUYEN
- P9.12 SUB-LETHAL EFFECTS OF PESTICIDES
Helen Thompson
- P9.13 CONSEQUENCES OF A HIVE TREATMENT WITH TETRACYCLINE ON THE QUALITY OF THE HONEY
Martel Anne-Claire, Zeggane Sarah, Drainudel Patrick, Faucon Jean-Paul and Aubert Michel
- P9.14 TESTED METHODS FOR THE USE OF HONEYBEES AS BIOINDICATORS
Rortais A, Loublier Y, Garnery L, Arnold G
- P9.15 THE PRAGMATISM OF HONEY BEES AS ENVIRONMENTAL BIOINDICATORS
Claudio Porrini, Anna Gloria Sabatini, Piotr Medrzycki, Fabio Sgolastra, Laura Bortolotti

P10 Bees Products

- P10.01 UNIFLORAL HONEY CHARACTERIZATION ATTEMPT BASED ON QUALITY CONTROL PARAMETERS
Sancho, M.T., Fernández-Muiño, M.A., Cavia, M.M, Alonso-Torre, S.R., Moreno, G., Rodríguez, P., Mato, I., Suárez-Luque, S., Sánchez, M.P., Huidobro, J.F.
- P10.02 MELISOPALYNOLOGICAL ANALYSIS AND ENDANGERMENT OF FOREST PLANT ASSOCIATIONS
Roša, J., Dražić, M., Krakar, D., Kezić, N.
- P10.03 INFLUENCE OF THE METEOROLOGY IN THE BOTANICAL CHARACTERISTICS OF HONEY
SEIJO M., CHOUZA M., RODRÍGUEZ-RAJO, F. J., MÉNDEZ J.

- P10.04 RHEOLOGICAL PROPERTIES OF SELECTED CROATIAN HONEYS
Nela Nedic Tiban, Vlasta Pilizota, Drago Subaric, Djurdjica Ackar
- P10.05 CHARACTERIZATION OF CROATIAN HONEYS BY THEIR PHYSICO-CHEMICAL CHARACTERISTICS
Domagoj Matković
- P10.06 POLLEN SPECTRUM AND PHYSICO-CHEMICAL ATTRIBUTES OF CROATIAN MEDITERRANEAN MULTIFORAL HONEYS
Ljiljana Primorac., Dragan Bubalo, Daniela Kenjerić, Antonija Perl-Pirički, Ivana Flanjak, Milena L. Mandić
- P10.07 POLLEN CONTENT OF SUMMER HONEYS FROM SOUTH-EASTERN POLAND
Ernest Stawiarz, Katarzyna Grzechnik, Anna Wróblewska
- P10.08 SPECTRUM OF MELIFEROUS PLANTS EXPLOITED BY APIS MELLIFERA ADANSONII IN HIGHLIGHT SOUDANO-GUINÉENNE ZONE OF WEST CAMEROON
Dongock Nguemo Delphine
- P10.09 QUANTITATIVE PALYNOLOGICAL ANALYSIS OF HONEY: AN AUTOMATIC METHOD MUCH FASTER AND ACCURATE
Scala M., Aronne G.
- P10.10 COLOR AND CORRELATED CHARACTERISTICS OF SLOVENIAN HONEY
Jasna Bertonec, Terezija Golob, Urška Doberšek, Mojca Jamnik, Urška Golob
- P10.11 THE BASIC CRITERIA FOR DETERMINING OF DIFFERENCES BETWEEN REAL AND ADULTERATED HONEY IN TURKEY
N. SAHINLER, A. GUL, B. YUCEL
- P10.12 PHYSICO-CHEMICAL, COLOR CHARACTERIZATION AND APPLICATION OF ARRHENIUS KINETICS TO RHEOLOGY OF INDIAN HONEY.
A.K.Bakhshi, Vikas Nanda
- P10.13 ORGANIC HONEY PRODUCTION AND SOME QUALITY PARAMETERS IN HUNGARY
Dániel Szalai, Julianna Sütő, Enikő Szalai-Mátray
- P10.14 EVALUATION OF ANTIBIOTICS RESIDUES LEVELS IN PORTUGUESE HONEY: A CONCERTED STUDY WITH THE PORTUGUESE BEEKEEPERS ASSOCIATIONS.
Daniela Correia, Miguel VilasBoas, Luis G. Dias
- P10.15 HONEY DISCRIMINATION OF THREE PORTUGUESE BEEKEEPERS ASSOCIATIONS BY PHENOLIC PATTERN
Luis G. Dias, Lillian Barros, Sonia Girante, Miguel VilasBoas, Letícia Estevinho
- P10.16 ANTIOXIDANT CAPACITY AND PHENOLIC CONTENT OF VENEZUELAN HONEYS PARTICIPATING IN A HONEY CONTEST, 2005.
Rodríguez-Malaver AJ, Vit P
- P10.17 HG AND Pb DETECTION OF BRASSICA NAPUS L. BEE POLLEN FROM THE VENEZUELAN ANDES.
Saavedra AR, 2Rondón C, Carrero P, Gutiérrez L, Saavedra O, Di Bernardo ML, González I, Vit P.
- P10.18 TEMPORAL CHANGES IN HONEY COMPOSITION
Robert Chlebo
- P10.19 PRESENCE OF ANTIBIOTICS AND SULFONAMIDES IN HONEY AND ROYAL JELLY ON THE EUROPEAN MARKET
WIM REYBROECK, SIGRID OOGHE AND ELS DAESELEIRE
- P10.20 A SURVEY ON PORTUGUESE HONEY PHYSICO-CHEMICAL PARAMETERS
H. Garção, S. Fonseca and M. Vilas-Boas
- P10.21 DETERMINATION OF SULPHA DRUGS IN HONEY BY LC-MS/MS
ELS DAESELEIRE and WIM REYBROECK
- P10.22 UPLC-TOF-MS – A USEFUL TOOL FOR THE ANALYSIS OF HONEY?
Trautvetter, S., Kölling-Speer, I., Speer, K.
- P10.23 ULTRAFILTRATION OF HONEY – EFFECTS ON ENZYMES, CHLORAMPHENICOL AND HMF
Beckmann, K., Beckh, G., Lüllmann, C., Bremen/D, Speer, K.
- P10.24 INFLUENCE OF RIPENING HONEY IN CONTROLLED CONDITION ON THEIR PHYSICO-CHEMICAL PROPERTY.
Mgr inż. Piotr Semkiw, prof.dr hab Wojciech Skowronek, dr Piotr Skubida, Mgr inż. Dariusz Teper

- P10.25 SCREENING OF THE POTENTIAL PRESENCE OF PYRROLIZIDINE ALKALOIDS IN HONEYS BY SPECTROPHOTOMETRIC DETERMINATION
Pérez Martín, R.A., González Lorente, M., Lorenzo Lozano, P. and de Lorenzo Carretero, C.
- P10.26 GLUCOSE-OXIDASE AND CATALASE ACTIVITIES OF SPANISH UNHEATED HONEYS
Fernández-Muiño, M.A., Sancho, M.T., Cavia, M.M., Alonso-Torre, S.R., Moreno, G., Rodríguez, P. Sánchez, M.P., Mato, I., Suárez-Luque, S., Huidobro, J.F.
- P10.27 A COMPARISON OF PINE HONEY'S VOLATILE COMPOUNDS WITH THOSE OF HONEYDEW PRODUCED FROM MARCHALINA HELLENICA
TANANAKI Chrisoula, THRASYVOULOU Andreas
- P10.28 THE FORMATION OF FURAN DERIVATIVES IN FIR HONEY DURING HEATING
TANANAKI Chrisoula, THRASYVOULOU Andreas
- P10.29 HONEY GRADING USING FUZZY LOGIC
Ozkan GORGULU, Suat SAHINLER and Nuray SAHINLER
- P10.30 TRACE HEAVY METAL LEVELS IN HONEYS FROM DIFFERENT REGION OF ANATOLIA
TUZEN M, SILICI S, MENDIL D, SOYLAK M
- P10.31 ANTIBIOTIC RESIDUES IN TURKISH PINE-HONEYDEW HONEY
B.YUCEL, M.DOGAROGLU, N.SAHINLER
- P10.32 SPECIFIC ROTATION AS A PARAMETER FOR NECTAR AND HONEYDEW HONEY DISCRIMINATION
Urška Doberšek, Terezija Golob, Jasna Bertonec, Mojca Jamnik
- P10.33 ACTUAL SITUATION IN QUALITY OF HONEY IN SLOVAKIA
Cermakova T., Slanicka M., Kantikova M., Vierikova M.
- P10.34 QUANTITATIVE CHARACTERISTIC OF NATURAL MICROFLORA OF FRESH POLLEN LOAD
Yaroslav Lyapunov
- P10.35 ANTIOXIDANT ACTIVITY OF BEE-COLLECTED POLLEN FROM *PAPAVER SOMNIFERUM* L. AND THEIR NUTRITIONAL VALUE
Šramková, K. - Burdová, M.
- P10.36 THE EFFECT OF THE DRYING PROCESS ON THE ANTIOXIDANTS VITAMINS FROM BEE POLLEN
K.C.L.S. Oliveira, M. Morya, R.A.B. Azedo, E.W. Teixeira, M.L.T.M.F. Alves, A .C.C.C. Moreti, L.B. Almeida-Muradian
- P10.37 EVALUATION OF NECTAR FLOW IN NEW LOW ERUCIC ACID AND LOW GLUCOSINOLATE CONTENT LINES OF *SINAPIS ALBA*, BRASSICACEAE.
Marzena Masierowska and Teresa Piętko
- P10.38 RELATIONSHIP BETWEEN BOTANICAL ORIGIN OF BEE POLLEN AND ANTIOXIDANTS VITAMINS
K.C.L.S. Oliveira, M. Morya, R.A.B. Azedo, E.W. Teixeira, M.L.T.M.F. Alves, A .C.C.C. Moreti c, L.B. Almeida-Muradian

11 Management

- P11.01 PRODUCTION OF ROYAL JELLY IN QUEENRIGHT COLONIES WITHOUT RESTRICTION OF THE QUEENS
Goras G., Lazaridou E., Thrasyvoulou A.
- P11.02 METHODOLOGY FOR PREDICTING WINTER SURVIVAL OF HONEY BEE COLONIES
Richard Rogers
- P11.03 MEASURING OF CAPPED BROOD AREAS AT HONEY BEE COLONIES
B. Emsen
- P11.04 THE FEEDING OF HONEY BEE COLONIES WITH MALTOSERICH STARCH SYRUP
Gerhard Liebig
- P11.05 APICULTURAL VALUE OF SUNFLOWER HYBRIDS IN HUNGARY
Edit Zajacz- Tamas Szalai- Enikő M. Szalai
- P11.06 RESULTS OF THE TECHNOLOGY OF THE ROTATING BROOD-NEST HIVE (RBNH)
Szalai M E, Szalai D, Békési L

- P11.07 THE APPLICATION OF GIS-TOOLBOXES IN BEEKEEPING. POTENTIAL AND PROBLEMS
Josef Gspurning, IGR University of Graz
- P11.08 LENDING FOR MACEDONIA BEEKEEPING DEVELOPMENT
Uzunov A.1, 2, Cadikovska L. 2, Dimitrov L.2, Petkovski V.2, Kiprijanovska H.3
- P11.09 THE BEE-HOUSE OF J.G.MENDEL IN BRNO (CR) - THE HISTORICAL POINT OF THE EUROPEAN BEEKEEPING.
Dr. Vladimir Ptacek
- P11.10 CURRENT STATUS OF BEEKEEPING IN THE EUROPEAN UNION
Robert Chlebo
- 12 NON APIS BEES
- P12.01 BEE DIVERSITY AND CROP POLLINATION SERVICES IN FRAGMENTED LANDSCAPES
Ingolf Steffan-Dewenter
- P12.02 BUMBLEBEE BEHAVIOURAL AND SENSORY DIVERSITY UNDER THREAT BY INDISCRIMINATE TRADE?
Lars Chittka, Thomas C. Ings, Nigel Raine, Peter Skorupski
- P12.03 COMMUNICATION IN EUSOCIAL BEES: COMPARISON OF COLLECTIVE FORAGING
Koos Biesmeijer
- P12.04 MATING IN BEES: UNIQUE BEHAVIOUR BY WHICH MALES APPLY PHEROMONES ONTO FEMALE ANTENNAE
Dieter Wittmann, Matthias Schindler, Betina Blochtein, Dirk Barouz*
- P12.05 RECENT SPECIATION WITHIN THE WESTERN EUROPEAN BEES OF THE COLLETES SUCCINCTUS GROUP? A SCENARIO FOR THE EVOLUTION OF C. HALOPHILUS
Michael Kuhlmann
- P12.06 ESTABLISHMENT OF OSMIA LIGNARIA AS AN ORCHARD POLLINATOR IN NORTH AMERICA
Jordi Bosch^{1,2}, William P. Kemp^{2,3}, Glen E. Trostle², Fabio Sgolastra⁴
- P12.07 USING STINGLESS BEES FOR ENCLOSURE POLLINATION IN TROPICAL ENVIRONMENTS
Quezada-Euan JJG; Cauich O; Macias JO; Melendez R,V; Valdovinos-Nuñez, GR.
- P12.08 USE OF OSMIA CORNUTA IN PEAR ORCHARDS: THE ROLE OF ECOLOGICAL INFRASTRUCTURES FOR THE RELEASE AND MANAGEMENT
BETTINA MACCAGNANI
- P12.09 BIGGER IS BETTER: INTRASPECIFIC EYE SIZE VARIATION AND LIGHT SENSITIVITY IN BUMBLEBEES.
Alexander Kapustjanskij, Martin Streinzer, Hannes F. Paulus and Johannes Spaethe
- P12.10 REARING BOMBUS LAPIDARIUS L. (HYMENOPTERA) IN LABORATORY.
Dr. Vladimir Ptacek
- P12.11 EFFECTS OF DIFFERENT STARTING METHODS ON COLONY FOUNDATION OF BOMBUS TERRESTRIS L. QUEENS.
Fehmi GUREL, Ayhan GOSTERIT
- P12.12 EFFECTS OF WEIGHT OF QUEENS AFTER DIAPAUSE ON COLONY DEVELOPMENT IN THE BUMBLEBEE, BOMBUS TERRESTRIS L. (HYMENOPTERA: APIDAE)
AYHAN GOSTERIT, FEHMI GUREL
- P12.13 MORPHOLOGICAL CHARACTERIZATION OF BUMBLEBEES (HYMENOPTERA: APIDAE) IN SLOVENIA
Peter Kozmus¹, Vladimir Meglič², Meta Virant-Doberlet³, Peter Dovč⁴
- P12.14 ARE SOLITARY BEES AFFECTED WHEN FEEDING ON TRANSGENIC INSECT-RESISTANT CROP PLANTS?
Roger Konrad and Dirk Babendreier

- P12.15 MALE MARKING PHEROMONE OF BOMBUS TERRESTRIS: CHANGES IN COMPOSITION AND ACTIVITY
*Irena Valterová*¹, *Lucie Cahliková*², *Blanka Kalinová*¹, *Jan Šobotník*¹, *Oldřich Hovorka*¹, *Vladimír Ptáček*³
- P12.16 MULTITEMPORAL INVESTIGATION OF GIANT HONEY BEES (APIS DORSATA) MIGRATION IN CHITWAN AREA (NEPAL) BY MEANS OF REMOTE SENSING
M. Hirschmugl^{*}, *E. Huettinger*^{**}, *G. Kastberger*^{***}, *W. Sulzer*^{*}
- P12.17 COMMUNICATION PRECISION OF FORAGERS IN THE STINGLESS BEE SCAPTOTRIGONA MEXICANA.
D. Sánchez, *F. B. Kraus*, *M. de Jesús Hernández*, *R. Vandame*
- P12.18 HOW BEES GET RID OF ANTS?
Orawan Duangphakdee^a, *Nikolaus Koeniger*^b, *Siriwat Wongsiri*^a and *Sureerat Deowanish*^a
- P12.19 DECREASE OF FLIGHT ACTIVITY CAUSED BY VESPA ORIENTALIS AT THE FLIGHT ENTRANCE OF APIS MELLIFERA SYRIACA IN JORDAN
N. Haddad, *S. Fuchs*, *Ahmed Batainha*
- P.12.20 ECOPHYSIOLOGY OF PRE-WINTERING IN THE SOLITARY BEE OSMIA LIGNARIA (HYMENOPTERA, MEGACHILIDAE)
*F. Sgolastra*¹, *J. Bosch*², *W. P. Kemp*³, *T. Pitts-Singer*⁴, *J. Buckner*³, *S. Maini*¹