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Education Information

Doctorate, Hacettepe Üniversitesi, Mesef, Botanik, Turkey 1976 - 1982

Postgraduate, Hacettepe Üniversitesi, Fen Fakültesi Biyoloji Bölümü, Turkey 1971 - 1976

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Agricultural Sciences, Agriculture

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 1996 - 2011

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2009 - Continues

Advising Theses

SORKUN K., SALİH B., Azerbaycan Gence Kazak bölgesi ballarının mikroskopik, HPLC ve GC-MS analizleri ile içeriklerinin belirlenmesi, Doctorate, D.NUR(Student), 2017

SORKUN K., Carthamus tinctorius L. (Aspir) üzerinde tozlaştırıcı arı davranışları ve ürün özelliklerinin incelenmesi, Doctorate, Ç.ÖZENİRLER(Student), 2016

SORKUN K., Hakkari bölgesi propolislerinin botanik orijininin ve kimyasal içeriğinin saptanması, Doctorate, N.ECEM(Student), 2015

SORKUN K., Ardahan ili ballarının melitopalinojik, fiziksel ve kimyasal analizi, Postgraduate, F.GÜZEL(Student), 2014

SORKUN K., Ardahan bölgesinde bal arıları tarafından toplanan polenlerin morfolojik ve organoleptik analizleri ile nişasta içeriklerinin incelenmesi, Postgraduate, D.CANLI(Student), 2014

SORKUN K., Ayder-Ceymakçur (Çamlıhemşin/Rize) yaylalarının florası ve yöre ballarının kimyasal ve palinojik özellikleri, Postgraduate, E.DEMİR(Student), 2013

SORKUN K., Türkiye'deki bazı yöresel bal çeşitlerinin antimutajenik etkilerinin Salmonella/mikrozom (AMES) test sistemi

ile araştırılması, Postgraduate, N.EKMEKÇİ(Student), 2010

SORKUN K., SALİH B., Tekirdağ bölgesi propolis örneklerinin flavonoid, karboksilik asit ve türevlerinin izolasyon yöntemlerinin geliştirilmesi ve mikroskopik analizi, Doctorate, Ö.GENÇAY(Student), 2010

SORKUN K., Muğla bölgesinde üretilen çam balı ve propolisin mikroskopik, organoleptik ve kimyasal analizi, Doctorate, A.ÖZKÖK(Student), 2009

SORKUN K., SALİH B., Ambalajlı balların melitopalınolojik, kimyasal ve organoleptik analizleri, Postgraduate, D.NUR(Student), 2007

SORKUN K., SALİH B., Kemaliye-Erzincan yöresinde üretilen balların mikroskopik, kimyasal ve organoleptik analizleri ile balın fizikokimyasal özelliklerinin saptanması, Postgraduate, N.YURTSEVER(Student), 2004

SORKUN K., SALİH B., Kemaliye-Erzincan yöresine ait propolislerin bitkisel orijini ve kimyasal içeriğinin belirlenmesi, Postgraduate, Ö.GENÇAY(Student), 2004

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Bee bread and bee pollen of different plant sources: determination of phenolic content, antioxidant activity, fatty acid and element profiles**
Mayda N., ÖZKÖK A., Ecem Bayram N., Gercek Y. C. , SORKUN K.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.14, no.4, pp.1795-1809, 2020 (Journal Indexed in SCI)
- II. **Honeydew producing insects in some forests of Turkey and their potential to produce of honeydew honey**
ÜLGENTÜRK S., Cosic B., Ozdemir I., Ipek A., SORKUN K.
BALTIC FORESTRY, vol.26, no.1, 2020 (Journal Indexed in SCI)
- III. **THE ORIGIN OF THE OAK HONEYDEW HONEY PRODUCED FROM QUERCUS FRAINETTO TEN**
ÖZKÖK A., Ipek A., Sorkun K.
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- IV. **Chemical Characterization of 64 Propolis Samples from Hakkari, Turkey**
BAYRAM N. E. , SORKUN K., ÖZ G., SALİH B., TOPÇU G.
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- V. **DIOXIN ANALYSIS OF BEE POLLEN PELLETS COLLECTED BY APIS MELLIFERA L. IN RURAL AREA OF TURKEY**
ÖZKÖK A., Cakirogullari G. C. , Sorkun K., Yagli H. G. , Alsan I., Bektas B., Kilic D.
JOURNAL OF APICULTURAL SCIENCE, vol.62, no.1, pp.79-88, 2018 (Journal Indexed in SCI)
- VI. **CHEMICAL CHARACTERIZATION OF KARS HONEY**
ÖZENİRLER Ç., Ecem-Bayram N., Gencay-Celemlı O., ÇELİKBIÇAK Ö., Sorkun K.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.3, pp.1889-1895, 2018 (Journal Indexed in SCI)
- VII. **Melissopalynological Analysis for Geographical Markingof Kars Honey**
ÖMÜR G. Ç. , ÖZENİRLER Ç., ECEM BAYRAM N., ZARE G., SORKUN K.
Kafkas Universitesi Veteriner Fakultesi Dergisi, vol.24, pp.53-59, 2018 (Journal Indexed in SCI Expanded)
- VIII. **THE ANATOMICAL AND PALYNOLOGICAL FEATURES OF SCREE PLANT HELDREICHIA ROTUNDIFOLIA BOISS.(BRASSICACEAE) ENDEMIC TO TURKEY**
KIZILPINAR TEMİZER İ., gençay çeemli ö., ZARE G., SORKUN K.
Fresenius Environmental Bulletin, vol.27, pp.236-240, 2018 (Journal Indexed in SCI Expanded)
- IX. **CLASSIFICATION OF TURKISH HONEY BY H-1 NMR SPECTROSCOPY AND CHEMOMETRICS**
ÖZKÖK A., ÖZENİRLER Ç., Sorkun K.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.12, pp.8328-8339, 2018 (Journal Indexed in SCI)
- X. **CHARACTERISTIC FEATURES OF OAK (QUERCUS FRAINETTO TEN.) HONEY FROM TURKEY**
ÖZKÖK A., Sorkun K.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.12, pp.8359-8366, 2018 (Journal Indexed in SCI)
- XI. **Does propolis have any effect on non-alcoholic fatty liver disease?**

Kismet K, Ozcan C., Kuru S., GENÇAY ÇELEMLİ Ö., Celepli P., Senes M., Guclu T., SORKUN K., Hucumenoglu S., Besler T.

BIOMEDICINE & PHARMACOTHERAPY, vol.90, pp.863-871, 2017 (Journal Indexed in SCI)

- XII. **Antibacterial Activity of Propolis versus Conventional Endodontic Disinfectants against *Enterococcus faecalis* in Infected Dentinal Tubules**
KAYAOĞLU G., ÖMÜRLÜ H., AKCA G., Gurel M., GENÇAY ÇELEMLİ Ö., SORKUN K., SALİH B.
JOURNAL OF ENDODONTICS, vol.37, no.3, pp.376-381, 2011 (Journal Indexed in SCI)
- XIII. **The effect of oral honey and pollen on postoperative intraabdominal adhesions**
Celepli S., Kismet K., Kaptanoglu B., Erel S., Ozer S., Celepli P., Kaygusuz G., Devrim E., Gencay O., SORKUN K., et al.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.22, no.1, pp.65-72, 2011 (Journal Indexed in SCI)
- XIV. **Antibacterial activity of bee propolis samples from different geographical regions of Turkey against two foodborne pathogens, *Salmonella Enteritidis* and *Listeria monocytogenes***
Temiz A., Sener A., Tuylu A., SORKUN K., SALİH B.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.4, pp.503-511, 2011 (Journal Indexed in SCI)
- XV. **Propolis from Turkey induces apoptosis through activating caspases in human breast carcinoma cell lines**
Vatansever H. S. , SORKUN K., Gurhan S. I. D. , Ozdal-Kurt F., Turkoz E., Gencay O., SALİH B.
ACTA HISTOCHEMICA, vol.112, no.6, pp.546-556, 2010 (Journal Indexed in SCI)
- XVI. **Inhibitory Effects of Propolis on Human Osteogenic Sarcoma Cell Proliferation Mediated by Caspase Pathway**
Kurt F. O. , Vatansever H. S. , SORKUN K., Gurhan S. I. D. , Turkoz E., Gencay O., SALİH B.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.16, no.3, pp.397-404, 2010 (Journal Indexed in SCI)
- XVII. **In Vitro Activity of Turkish Propolis Samples Against Anaerobic Bacteria Causing Oral Cavity Infections**
Ozen T., Kilic A., Bedir O., Koru O., SORKUN K., Tanyuksel M., Kilic S., Gencay O., Yildiz O., Baysallar M.
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- XVIII. **Immunomodulatory effects of Turkish propolis: Changes in neopterin release and tryptophan degradation**
GİRGIN G., BAYDAR T., Ledochowski M., Schennach H., Bolukbasi D. N. , Sorkun K., SALİH B., Sahin G., Fuchs D.
IMMUNOBIOLOGY, vol.214, no.2, pp.129-134, 2009 (Journal Indexed in SCI)
- XIX. **Effects of Manisa propolis on telomerase activity in leukemia cells obtained from the bone marrow of leukemia patients**
Cogulu O., Biray C., GÜNDÜZ C., KARACA E., AKSOYLAR S., SORKUN K., SALİH B., ÖZKINAY F. F.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, vol.60, no.7, pp.601-605, 2009 (Journal Indexed in SCI)
- XX. **The effects of scolicidal agent propolis on liver and biliary tree**
Kismet K., Kilicoglu S. S. , Kilicoglu B., Erel S., Gencay O., SORKUN K., Erdemli E., AKHAN O., Akkus M. A. , Sayek I.
JOURNAL OF GASTROINTESTINAL SURGERY, vol.12, no.8, pp.1406-1411, 2008 (Journal Indexed in SCI)
- XXI. **Effects of honey as a scolicidal agent on the hepatobiliary system**
Kilicoglu B., Kismet K., Kilicoglu S. S. , Erel S., Gencay O., SORKUN K., Erdemli E., AKHAN O., Akkus M. A. , Sayek I.
WORLD JOURNAL OF GASTROENTEROLOGY, vol.14, no.13, pp.2085-2088, 2008 (Journal Indexed in SCI)
- XXII. **The effect of pollen on some reproductive parameters of male rats**
Selmanoglu G., Hayretoglu S., Kolankaya D., Tueylue A. O. , Sorkun K.
TOXICOLOGY LETTERS, vol.172, 2007 (Journal Indexed in SCI)
- XXIII. **Pollen preferences of *Hoplosmia bidentata* and *Lithurgus cornutus* (Hymenoptera : Megachilidae)**
Gueler Y., Sorkun K.
ENTOMOLOGICA FENNICA, vol.18, no.3, pp.174-178, 2007 (Journal Indexed in SCI)
- XXIV. **In vitro antimicrobial activity of propolis samples from different geographical origins against certain oral pathogens**
KORU O., TOKSOY F., ACIKE C. H. , TUNCA Y. M. , BAYSALLAR M., GUCLU A. U. , AKCA E., Ozkok A. T. , Sorkun K., TANYUKSEL M., et al.

- ANAEROBE, vol.13, pp.140-145, 2007 (Journal Indexed in SCI)
- XXV. **The scolicidal effects of honey**
Kilicoglu B., Kismet K., Koru O., Tanyuksel M., Oruc M. T. , Sorkun K., Akkus M. A.
ADVANCES IN THERAPY, vol.23, no.6, pp.1077-1083, 2006 (Journal Indexed in SCI)
- XXVI. **The effect of pollen on serum parameters of rats**
Selmanoglu G., Hayretdag S., Kolankaya D., Tuylu A. O. , Sorkun K.
TOXICOLOGY LETTERS, vol.164, 2006 (Journal Indexed in SCI)
- XXVII. **The effect of Trifolium, Raphanus, and Cistus pollen grains on some blood parameters and mesentery mast cells**
Kolankaya D., Senturk H., Tuylu A., Hayretdag S., Selmanoglu G., Sorkun K.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.61, pp.421-426, 2006 (Journal Indexed in SCI)
- XXVIII. **Evaluation on scolicidal efficacy of propolis**
Kismet K., Kilicoglu B., Koru O., Tanyuksel M., Oruc M. T. , Sorkun K., Salih B., Akkus M. A.
EUROPEAN SURGICAL RESEARCH, vol.38, no.5, pp.476-481, 2006 (Journal Indexed in SCI)
- XXIX. **In vitro antimicrobial activity of propolis against methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococcus faecium**
Kilic A., Baysallar M., Besirbellioglu B., Salih B., Sorkun K., Tanyuksel M.
ANNALS OF MICROBIOLOGY, vol.55, no.2, pp.113-117, 2005 (Journal Indexed in SCI)
- XXX. **Chemical compositions and antimicrobial activities of four different Anatolian propolis samples**
Uzel A., Sorkun K., Oncag O., Cogulu D., Gencay O., Salih B.
MICROBIOLOGICAL RESEARCH, vol.160, no.2, pp.189-195, 2005 (Journal Indexed in SCI)
- XXXI. **Effect of some Turkish propolis on the product quantity of Agaricus bisporus (Lange.) Sing**
Guler P., Sorkun K., Salih B.
PAKISTAN JOURNAL OF BOTANY, vol.35, no.3, pp.439-447, 2003 (Journal Indexed in SCI)
- XXXII. **Protective effects of Turkish propolis on alcohol-induced serum lipid changes and liver injury in male rats**
Kolankaya D., SELMANOGLU G., SORKUN K., SALIH B.
FOOD CHEMISTRY, vol.78, no.2, pp.213-217, 2002 (Journal Indexed in SCI)
- XXXIII. **Determination of chemical composition of Turkish propolis**
Sorkun K., Suer B., Salih B.
ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES, vol.56, pp.666-668, 2001 (Journal Indexed in SCI)
- XXXIV. **Propolis from the mediterranean region: Chemical composition and antimicrobial activity**
Velikova M., BANKOVA V., Sorkun K., Houcine S., Tsvetkova I., Kujumgiev A.
ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES, vol.55, pp.790-793, 2000 (Journal Indexed in SCI)
- XXXV. **The source of starch grains from Turkish pine honey**
Sorkun K., Sahin A.
JOURNAL OF APICULTURAL RESEARCH, vol.39, pp.85-86, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Total Bioactive Compounds and Antimicrobial Capacities of Bee Pollen with Different Botanical Origins**
ÖZKÖK A., Koru O., Bedir O., Cetinkaya S., GENÇAY ÇELEMLİ Ö., ÖZENİRLER Ç., Mayda N., SORKUN K.
BULLETIN OF UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE CLUJ-NAPOCA-FOOD SCIENCE AND TECHNOLOGY, vol.78, no.1, pp.57-67, 2021 (Journal Indexed in ESCI)
- II. **The correlation between botanical source and the biologically active compounds of propolis**
Celemlı O. G. , ATAKAY M., Sorkun K.

ISTANBUL JOURNAL OF PHARMACY, vol.49, no.2, pp.81-87, 2019 (Journal Indexed in ESCI)

- III. **Physicochemical and Palynological Characterization of the Onobrychis Miller (Fabaceae) Honey**
ÖZENİRLER Ç., Gençay Çelemlı Ö., ECEM BAYRAM N., DİKMEN F., ZARE G., ÇELİKBIÇAK Ö., SORKUN K.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.1, pp.63-76, 2019 (Journal Indexed in ESCI)
- IV. **Observations on the foraging behavior of commercial Bombus terrestris L. and Apis mellifera L. colonies on some cultivars of Carthamus tinctorius L. in caged conditions**
ÖZENİRLER Ç., SORKUN K.
Commun.Fac.Sci.Univ.Ank.Series C, vol.27, pp.273-282, 2018 (Refereed Journals of Other Institutions)
- V. **DANDELION HONEY: A NEW MONOFLORAL HONEY RECORD FORTURKEY**
Özenirler Ç., Mayda N., Gençay Çelemlı Ö., Özkök A., Sorkun K.
Uludağ Arıcılık Dergisi, vol.18, pp.87-93, 2018 (International Refereed University Journal)
- VI. **A New Record for Propolis Substitute: Pruning Sealer**
ÖZENİRLER Ç., GENÇAY ÇELEMLİ Ö., MAYDA N., SORKUN K.
MELLIFERA, vol.18, pp.36-39, 2018 (Refereed Journals of Other Institutions)
- VII. **CHEMOMETRIC EVALUATION OF THE GEOGRAPHICAL ORIGIN OF TURKISH PINE HONEY**
ÖZKÖK A., YÜKSEL D., SORKUN K.
FOOD and HEALTH, vol.4, pp.274-282, 2018 (Other Refereed National Journals)
- VIII. **Monofloral Features of Turkish Honeys According to Melissopalynologic, Total Phenolic and Total Flavonoid Content**
ÖZKÖK A., ÖZENİRLER Ç., Canlı D., Mayda N., Sorkun K.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.713-723, 2018 (Journal Indexed in ESCI)
- IX. **Plant Origins of Propolis from Hakkari, Turkey**
Ecem Bayram N., SORKUN K., Cevahir Oz G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.725-738, 2018 (Journal Indexed in ESCI)
- X. **Protein Analysis of AnzerBee Pollen by Bradford Method**
gençay çelemlı ö., BARKAN N. P. , ÖZENİRLER Ç., ÖZEL DEMİRALP F. D. , SORKUN K.
MELLIFERA, vol.17, no.1, pp.21-32, 2017 (Refereed Journals of Other Institutions)
- XI. **Effects of propolis on warfarin efficacy**
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KARDIOCHIRURGIA I TORAKOCHIRURGIA POLSKA, vol.14, no.1, pp.43-46, 2017 (Journal Indexed in ESCI)
- XII. **Castanea sativa A Source of Turkish Propolis: Plant Anatomy, Palynology and Chemistry**
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- XIII. **Sugar Analysis of Pine Honey from Muğla Region using HPLC**
ÖZKÖK A., SORKUN K., Darcy B.
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- XIV. **Palynological investigation of honey produced in Ardahan-Turkey**
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Bee World, vol.91, no.3, pp.80-83, 2014 (Refereed Journals of Other Institutions)
- XV. **Çiçekten Kovana Taşınan Balın Antibiyotik Değeri**
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Kırıkkale Üniversitesi Bilimde Gelişmeler Dergisi, vol.2, no.1, pp.44-48, 2013 (National Refereed University Journal)
- XVI. **Total Phenolic Acid and Total Flavonoid Content of Turkish Pine Honeydew Honey.**
ÖZKÖK A., Darcy B., SORKUN K.
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- XVII. **The Effect of Pollen on Some Reproductive Parameters of Male Rats**
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- XVIII. **Ex Vivo Effects of Turkish Propolis Extracts on Erythrocyte Superoxide dismutase and Catalase Activities**

- Baydar T, Girgin G, Özkök A, Sorkun K, Salih B, Şahin G.
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- XIX. **An Investigation of Mineral Content of Economically Important Pollen Grains Collected by Apis mellifera L. in the Province of Bursa, Turkey**
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- XX. **Organoleptic Analysis of Pine Honeys Produce in Muğla**
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- XXI. **The Investigation of Morphologic Analysis of Pollen Grains Which are Economically Important and Collected by Apis Mellifera L.**
ÖZKÖK A, SORKUN K.
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.35, no.1, pp.31-38, 2007 (International Refereed University Journal)
- XXII. **The Investigation of Moisture and Fat Analysis of Economically Important Pollen Grains Collected by Apis mellifera L.**
ÖZKÖK A, SORKUN K.
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- XXIII. **The Effect of Pollen on Serum Parametres, and Liver and Kidney Tissues of Rats.**
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- XXIV. **THE DETERMINATION OF A PARASITE OF HONEY BEE(APIS MELLIFERA L.) "NOSEMA APIS Z." IN HONEY**
ÖZKIRIM A., KESKİN N., SORKUN K.
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- XXV. **Protein Analysis with Kjeldahl of Pollen Grains Collected by Apis mellifera L.**
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- XXVII. **Physical, chemical and microscopic analysis in distinguishing natural and artificial honey produced in Turkey**
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- XXVIII. **Türkiye’de üretilen doğal ve yapay balların ayırt edilmesinde 10 gram baldaki toplam polen sayısının (TPS) önemi**
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- XXIX. **Physicochemical characteristics and composition of Eucalyptus camaldulensis Dehnh. honey produced in Turkey**
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- XXX. **Türkiye’nin Ege, Marmara, Akdeniz ve Karadeniz Bölgelerinde toplanmış ballarda polen analizi**
Doğan C., Sorkun K.
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- XXXI. **Pollen analysis of honeys from Central, Eastern and Southeastern Anatolia in Turkey**
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- Hacettepe Bulletin of Natural Sciences and Engineering, vol.28, pp.35-50, 1999 (Other Refereed National Journals)
- XXXII. **Mycelial forms of *Morchella conica* Pers. on the nutritions with pollen and propolis**
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- XXXIII. **Saf ve sahte balların ayırt edilmesinde fiziksel, kimyasal ve palinolojik kriterlerin saptanması**
Başoğlu F. N. , Sorkun K., Löker M., Doğan C., Wetherilt H.
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- XXXIV. **Türkiye'nin çeşitli yörelerinden toplanan ballarda polen analizi**
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- XXXV. **Pollen analysis of Rize-Anzer (Turkish) honey**
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- XXXVI. **Nektarlı bitkilerin çiçeklenme dönemleri ve yayılış alanları üzerine bir çalışma**
Sorkun K., Doğan C.
TKV/Teknik Arıcılık, no.44, pp.2-11, 1994 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Total Phenolic and Total Flavonoid Contents and Plant Spectrum of Bee Pollens'xx which are Collected Different Regions of Turkey**
ÖZKÖK A., GENÇAY ÇELEMLİ Ö., ÖZENİRLER Ç., MAYDA N., SORKUN K.
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