



PROF. MEHMET ŞENBAYRAM

Kişisel Bilgiler

Eposta: msenbay@harran.edu.tr
Birimi : Toprak Bilimi ve Bitki Besleme
Dahili : 3678

Makaleler (YOKSIS)

- 1 A critique of the paper ‘Estimate of bacterial and fungal N₂O production processes after crop residue input and fertilizer application to an agricultural field by 15N isotopomer analysis’, by Yamamoto et al. (2017), Soil Biology Biochemistry 108, 9–16**
Well Reinhard, Buchen Caroline, Köster Jan-Reent, Lewicka-Szczebak Dominika, Rohe Lena, Wu Di, ŞENBAYRAM MEHMET
Soil Biology and Biochemistry, <https://linkinghub.elsevier.com/retrieve/pii/S0038071718302062>
- 2 Adequate supply of potassium improves plant water use efficiency but not leaf water use efficiency of spring wheat**
Jakli Balint, Trankner Merle, ŞENBAYRAM MEHMET, Dittert Klaus
Journal of Plant Nutrition and Soil Science, <http://doi.wiley.com/10.1002/jpln.201600340>
- 3 Anaerobic digestates lower N₂O emissions compared to cattle slurry by affecting rate and product stoichiometry of denitrification An N₂O isotopomer case study**
Reent Köster Jan, M Cárdenas Laura, Bol Roland, Lewicka-Szczebak Dominika, ŞENBAYRAM MEHMET, Well Reinhard, Giesemann Anette, Dittert Klaus
Soil Biology and Biochemistry, <http://linkinghub.elsevier.com/retrieve/pii/S0038071715000334>
- 4 Biochar amendment alters the partitioning of nitrate reduction by significantly enhancing DNRA in a paddy field**
zwei wei, ŞENBAYRAM MEHMET, Zhao Xu, Li Chenglin, Jin Ke, Wu Min, Rahman Mizanur, Shan Jun, Xiaoyuan Yan
Biochar, <http://dx.doi.org/10.1007/s42773-022-00166-x>
- 5 Cattle slurry treatment by screw press separation and chemically enhanced settling Effect on greenhouse gas emissions after land spreading and grass yield**
Fangueiro David, ŞENBAYRAM MEHMET, Trindade Henrique, Chadwick David
Bioresource Technology, <http://linkinghub.elsevier.com/retrieve/pii/S0960852408000035>
- 6 Climate Overrides Effects of Fertilizer and Straw Management as Controls of Nitrous Oxide Emissions After Oilseed Rape Harvest**
Köbke Sarah, He Hongxing, Boeldt Matthias, Wang Haitao, ŞENBAYRAM MEHMET, Dittert klaus
Frontiers in Environmental Science, <http://dx.doi.org/10.3389/fenvs.2021.773901>

- 7 **Contribution of nitrification and denitrification to nitrous oxide emissions from soils after application of biogas waste and other fertilizers**
ŞENBAYRAM MEHMET, Chen Ruirui, Mühling Karl Hermann, Dittert Klaus
Rapid Communications in Mass Spectrometry, <http://doi.wiley.com/10.1002/rcm.4067>
- 8 **Daytime leaf water use efficiency does not explain the relationship between plant N status and biomass water use efficiency of tobacco under non limiting water supply**
ŞENBAYRAM MEHMET, Merle Tränkner, Klaus Dittert, Holger Brück
Journal of Plant Nutrition and Soil Science, <http://doi.wiley.com/10.1002/jpln.201400608>
- 9 **Decomposition of biogas residues in soil and their effects on microbial growth kinetics and enzyme activities**
Chen Ruirui, Blagodatskaya Evgenia, ŞENBAYRAM MEHMET, Blagodatsky Sergey, Myachina Olga, Dittert Klaus, Kuzyakov Yakov
Biomass and Bioenergy, <http://linkinghub.elsevier.com/retrieve/pii/S0961953412002504>
- 10 **Effect of biochar origin and soil pH on greenhouse gas emissions from sandy and clay soils**
Wu Di, ŞENBAYRAM MEHMET, Huadong Zhang, Ugurlar Ferhat, AYDEMİR SALİH, Bruggeman Nicolas, Kuzyakov Yakov, Bol Roland, Evgenia Bladogatskaya
Applied Soil Ecology, <https://linkinghub.elsevier.com/retrieve/pii/S0929139318300519>
- 11 **Effect of biochar origin and soil type on the greenhouse gas emission and the bacterial community structure in N fertilised acidic sandy and alkaline clay soil**
ŞENBAYRAM MEHMET, SAYGAN EBRU PINAR, CHEN RUIRUI, AYDEMİR SALİH, KAYA CENGİZ, WU DI, BLADOGATSKAYA EVGENIA
Science of The Total Environment, <https://linkinghub.elsevier.com/retrieve/pii/S0048969718351799>
- 12 **Effect of mineral nitrogen fertilizer forms on N₂O emissions from arable soils in winter wheat production**
Lebender Ulrike, ŞENBAYRAM MEHMET, Lammel Joachim, Kuhlmann Hermann
Journal of Plant Nutrition and Soil Science, <http://doi.wiley.com/10.1002/jpln.201300292>
- 13 **Emission of N₂O from Biogas Crop Production Systems in Northern Germany**
ŞENBAYRAM MEHMET, Chen Ruirui, Wienforth Babette, Hermann Antje, Henning Kage, Mühling Karl Hermann, Dittert Klaus
BioEnergy Research, <http://link.springer.com/10.1007/s12155-014-9456-2>
- 14 **Experimental determinations of isotopic fractionation factors associated with N₂O production and reduction during denitrification in soils**
Lewicka-Szczebak Dominika, Well Reinhard, Reent Köster Jan, Fuß Roland, ŞENBAYRAM MEHMET, Dittert Klaus, Flessa Heiner
Geochimica et Cosmochimica Acta, <http://linkinghub.elsevier.com/retrieve/pii/S0016703714001744>
- 15 **Fast responses of metabolites in *Vicia faba* L. to moderate NaCl stress**
Geilfus Christoph-Martin, Niehaus Karsten, Gödde Victoria, Hasler Mario, Zörb Christian, Gorzolka Karin, Jezek Mareike, ŞENBAYRAM MEHMET, Jutta Ludwig-Müller, H Mühling Karl
Plant Physiology and Biochemistry, <http://linkinghub.elsevier.com/retrieve/pii/S0981942815300097>
- 16 **Impact of mineral N fertilizer application rates on N₂O emissions from arable soils under winter wheat**
Ulrike Lebender, ŞENBAYRAM MEHMET, Joachim Lammel, Hermann Kuhlmann
Nutrient Cycling in Agroecosystems, <http://link.springer.com/10.1007/s10705-014-9630-0>

- 17 **Inhibitory effect of high nitrate on N₂O reduction is offset by long moist spells in heavily N loaded arable soils**
ŞENBAYRAM MEHMET, zwei wei, Dİ WU, Shan Jun, Xiaoyuan Yan, Well Reinhard
Biology and Fertility of Soils, <http://dx.doi.org/10.1007/s00374-021-01612-x>
- 18 **INTERACTIVE EFFECT OF ARBUSCULAR MYCORRHIZAL FUNGI INOCULATION AND PHOSPHORUS FERTILIZER APPLICATION ON YIELD AND NUTRIENT CONTENT OF RED PEPPER (*Capsicum annuum* L.) IN A SEMI-ARID REGION**
ALMACA AHMET, almaca n.d., ŞENBAYRAM MEHMET
Applied Ecology and Environmental Research, http://aloki.hu/pdf/1904_27792792.pdf
- 19 **Interaction of straw amendment and soil NO₃⁻ content controls fungal denitrification and denitrification product stoichiometry in a sandy soil**
ŞENBAYRAM MEHMET, Well Reinhard, Bol Roland, Jones Davey, Chadwick Davey, Wu Di
SOIL BIOLOGY BIOCHEMISTRY, <https://linkinghub.elsevier.com/retrieve/pii/S0038071718303006>
- 20 **Interactive effects of soil salinity and nitrogen fertilizer types on nitrous oxide and ammonia fluxes**
RAMAZANOĞLU EMRAH, ALMAIRE VASAN, SUZER MEHMET HADİ, Shan Jun, zwei wei, ÇULLU MEHMET ALİ, R BOL, ŞENBAYRAM MEHMET
Geoderma Regional, <https://doi.org/10.1016/j.geodrs.2024.e00831>
- 21 **Land use conversion and soil moisture affect the magnitude and pattern of soil-borne N₂, NO, and N₂O emissions**
zwei wei, Shan Jun, Well Reinhard, Xiaoyuan Yan, ŞENBAYRAM MEHMET
Geoderma, <http://dx.doi.org/10.1016/j.geoderma.2021.115568>
- 22 **Leaf, canopy and agronomic water-use efficiency of field-grown sugar beet in response to potassium fertilization**
Jákli Balint, Hauer-Jákli Melanie, Meyer zur Müdehorst, ŞENBAYRAM MEHMET, Dittert Klaus
Journal of Agronomy and Crop Science, <http://doi.wiley.com/10.1111/jac.12239>
- 23 **Legume based forage production systems reduce nitrous oxide emissions**
Schmeer Maria, Loges Ralf, Dittert Klaus, ŞENBAYRAM MEHMET, Horn Rainer, Taube Friedhelm
Soil and Tillage Research, <http://linkinghub.elsevier.com/retrieve/pii/S0167198714000841>
- 24 **Legume based mixed intercropping systems may lower agricultural born N₂O emissions**
ŞENBAYRAM MEHMET, Christian Wenthe, Lingner Annika, Isselstein Johannes, Steinmann Horst, KAYA CENGİZ, Köbke Sarah
Energy, Sustainability and Society, <http://www.energysustainsoc.com/content/6/1/2>
- 25 **Life cycle assessment of biogas production under the environmental conditions of northern Germany greenhouse gas balance**
CLAUS S, TAUBE F, WIENFORTH B, SVOBODA N, SIELING K, KAGE H, ŞENBAYRAM MEHMET, DITTERT K, GERICKE D, PACHOLSKI A, HERRMANN A
The Journal of Agricultural Science, http://www.journals.cambridge.org/abstract_S0021859613000683
- 26 **Long term influence of manure and mineral nitrogen applications on plant and soil ¹⁵N and ¹³C values from the Broadbalk Wheat Experiment**
ŞENBAYRAM MEHMET, Liz Dixon, Keith Goulding, roland bol
Rapid Communications in Mass Spectrometry, <http://doi.wiley.com/10.1002/rcm.3548>

- 27 **Low nitrogen supply decreases water use efficiency of oriental tobacco**
Brueck Holger,ŞENBAYRAM MEHMET
Journal of Plant Nutrition and Soil Science,<http://doi.wiley.com/10.1002/jpln.200800097>
- 28 **Magnesium deficiency decreases biomass water use efficiency and increases leaf water use efficiency and oxidative stress in barley plants**
Trankner Merle,Jakli Balint,Tavakol Ershad,Geilfus Christoph Martin,Cakmak Ismail,ŞENBAYRAM MEHMET
Plant and Soil,<http://link.springer.com/10.1007/s11104-016-2886-1>
- 29 **Microbial potential for denitrification in the hyperarid Atacama Desert soils**
DÍ WU, ŞENBAYRAM MEHMET, moradi gazal, DL JONES, R WELL, chen rui rui, R BOL
Soil Biology and Biochemistry,Microbial potential for denitrification in the hyperarid Atacama Desert soils
- 30 **N₂O emission and the N₂O : N₂ product ratio of denitrification as controlled by available carbon substrates and nitrate concentrations**
ŞENBAYRAM MEHMET,Chen Ruirui,Budai Alice,Bakken Lars,Dittert Klaus
Agriculture, Ecosystems & Environment,<http://linkinghub.elsevier.com/retrieve/pii/S0167880911002131>
- 31 **Nitrification inhibitors mitigate N₂O emissions more effectively under straw induced conditions favoring denitrification**
Wu Di,ŞENBAYRAM MEHMET,Well Reinhard,Brüggemann Nicolas,Pfeiffer Birgit,Loick Nadine,Stempfhuber Barbara,Dittert Klaus,Bol Roland
Soil Biology and Biochemistry,<http://linkinghub.elsevier.com/retrieve/pii/S0038071716304643>
- 32 **Optimization of Potassium Supply under Osmotic Stress Mitigates Oxidative Damage in Barley**
tavakol ershad, ÇAKMAK İSMAİL, dittert klaus, jakli balint, ŞENBAYRAM MEHMET
Plants,<https://www.mdpi.com/2223-7747/11/1/55>
- 33 **Optimized potassium nutrition improves plant-water-relations of barley under PEG-induced osmotic stress**
Ershad Tavakol,Jakli Balint,Cakmak Ismail,Dittert Klaus,Petr Karlosky,Pfohl Katarina,ŞENBAYRAM MEHMET
PLANT AND SOIL,<http://link.springer.com/10.1007/s11104-018-3704-8>
- 34 **Organic fertilizer amendment decreased N₂O/(N₂O+N₂) ratio by enhancing the mutualism between bacterial and fungal denitrifiers in high nitrogen loading arable soils**
zwei wei,R WELL,Ma Xiaofang,Lewicka-Szczebak Dominika,Rohe Lena,Zhang Guangbi,Li Chenglin,Ma Jing,R BOL,Xu Hua,J SHAN,Xiaoyuan Yan,ŞENBAYRAM MEHMET
Soil Biology and Biochemistry,<https://doi.org/10.1016/j.soilbio.2024.109550>
- 35 **Origin of positive $\delta^{13}\text{C}$ of emitted CO₂ from soils after application of biogas residues**
Chen Ruirui,ŞENBAYRAM MEHMET,Lin Xiangui,Dittert Klaus
Soil Biology and Biochemistry,<http://linkinghub.elsevier.com/retrieve/pii/S0038071711002720>
- 36 **Post-harvest N₂O and CO₂ emissions related to plant residue incorporation of oilseed rape and barley straw depend on soil NO₃- content**
Köbke Sarah,ŞENBAYRAM MEHMET,Pfeiffer Birgit,Nacke Heiko,Dittert Klaus
Soil and Tillage Research,<https://linkinghub.elsevier.com/retrieve/pii/S0167198718300230>
- 37 **Potassium in agriculture Status and perspectives**

- 37 Zoerb Christian,ŞENBAYRAM MEHMET,Peiter Edgar
Journal of Plant Physiology,<http://linkinghub.elsevier.com/retrieve/pii/S0176161713003611>
- 38 **Potential use of rare earth oxides as tracers of organic matter in grassland**
ŞENBAYRAM MEHMET,Roland Bol,Dixon Liz,Fisher Andrew,Stevens Carly,Quinton John,Fangueiro David
Journal of Plant Nutrition and Soil Science,<http://doi.wiley.com/10.1002/jpln.201400465>
- 39 **Quantitative limitations to photosynthesis in K deficient sunflower and their implications on water use efficiency**
Balint Jakli,Tavakol Ershad,Trankner Merle,ŞENBAYRAM MEHMET,Dittert Klaus
Journal of Plant Physiology,<http://linkinghub.elsevier.com/retrieve/pii/S017616171630267X>
- 40 **Rapid shift from denitrification to nitrification in soil after biogas residue application as indicated by nitrous oxide isotopomers**
Köster Jan Reent,Cardenas Laura,ŞENBAYRAM MEHMET,Bol Roland,Well Reinhard,Butler Mark,Mühling Karl Hermann,Dittert Klaus
Soil Biology and Biochemistry,<http://linkinghub.elsevier.com/retrieve/pii/S0038071711001623>
- 41 **Regulation of the product stoichiometry of denitrification in intensively managed soils**
zwei wei, Shan Jun, YC CHAI, R WELL, ŞENBAYRAM MEHMET
Food and Energy Security,<http://dx.doi.org/10.1002/fes3.251>
- 42 **Rhizosphere processes in nitrate-rich barley soil tripled both N₂O and N₂ losses due to enhanced bacterial and fungal denitrification**
ŞENBAYRAM MEHMET, R WELL, J SHAN, R BOL, DL JONES, DÌ WU
Plant and Soil,<http://link.springer.com/10.1007/s11104-020-04457-9>
- 43 **Role of magnesium fertilisers in agriculture plant soil continuum**
ŞENBAYRAM MEHMET,Gransee Andreas,Verena Wahle,Heike Thiel
Crop and Pasture Science,<http://www.publish.csiro.au/?paper=CP15104>
- 44 **Soil C and N availability determine the priming effect microbial N mining and stoichiometric decomposition theories**
Chen Ruirui,ŞENBAYRAM MEHMET,Blagodatsky Sergey,Myachina Olga,Dittert Klaus,Xiangui Lin,Blagodatsky Evgenia,Kuzyakov Yakov
Global Change Biology,<http://doi.wiley.com/10.1111/gcb.12475>
- 45 **Soil denitrification potential and its influence on N₂O reduction and N₂ O isotopomer ratios**
Köster Jan Reent,Reinhard Well,Klaus Dittert,Anette Giesemann,Lewicka-Szczebak Dominika,Karl-Hermann Mühling,Antje Herrmann,Joachim Lammel,ŞENBAYRAM MEHMET
Rapid Communications in Mass Spectrometry,<http://doi.wiley.com/10.1002/rcm.6699>
- 46 **Soil NO₃⁻ level and O₂ availability are key factors in controlling N₂O reduction to N₂ following long-term liming of an acidic sandy soil**
ŞENBAYRAM MEHMET,Budai Alice,Bol Roland,Chadwick David,Marton Laszlo,Gündogan Recep,Wu Di
Soil Biology and Biochemistry,<https://linkinghub.elsevier.com/retrieve/pii/S0038071719300495>
- 47 **Straw amendment with nitrate-N decreased N₂O/(N₂O+N₂) ratio but increased soil N₂O emission: A case study of direct soil-born N₂ measurements**
Wu Di,Wei ZJ,Well Reinhard,Shan Jun,Xiaoyuan Yan,Bol Roland,ŞENBAYRAM MEHMET

- 47 Soil Biology and Biochemistry, <https://linkinghub.elsevier.com/retrieve/pii/S003807171830350X>
- 48 **Sulfur-enriched leonardite and humic acid soil amendments enhance tolerance to drought and phosphorus deficiency stress in maize (*Zea mays* L.)**
KAYA CENGİZ, ŞENBAYRAM MEHMET, NA AKRAM, M ASHRAF, MN ALYEMENİ, P AHMED
Scientific Reports, <http://dx.doi.org/10.1038/s41598-020-62669-6>
- 49 **The Activity of Nodules of the Supernodulating Mutant Mtsunn Is not Limited by Photosynthesis under Optimal Growth Conditions**
Cabeza Ricardo, Lingner Annika, Liese Rebecca, Sulieman Saad, ŞENBAYRAM MEHMET, Tränkner Merle, Dittert Klaus, Schulze Joachim
International Journal of Molecular Sciences, <http://www.mdpi.com/1422-0067/15/4/6031/>
- 50 **The anaerobic soil volume as a controlling factor of denitrification: a review**
SCHLUTER STEFEN, HEERS LUKAS MAIK, GROSZ BALASH, IPPISCH OLAPH, ZAVALLICH JAN, HE HONGHING, DECHOW RENE, KRAUS DAVID, BLAGODATSKY SERGEJ, ŞENBAYRAM MEHMET, Kravchenko Alexandra, Vogel Hans-Jörg
Biology and Fertility of Soils, <https://doi.org/10.1007/s00374-024-01819-8>
- 51 **Tire Wear Particles Exposure Enhances Denitrification in Soil by Enriching Labile DOM and Shaping the Microbial Community**
zwei wei, xiaofang Ma, yanc chai, ŞENBAYRAM MEHMET, xia wang, wu meng, guan zhang, shij chai, jing ma, hua xu, R BOL, mathias rillig, rong ji, Xiaoyuan Yan, Shan Jun
Environmental Science & Technology, <https://doi.org/10.1021/acs.est.4c09766>
- 52 **Zinc outperforms other foliar fertilisers in enhancing lentil yield and harvest index in semi-arid regions**
KAHRİMAN ABDULLAH, TUNÇ MURAT, RAMAZANOĞLU EMRAH, ALMAIRE VASAN, Sezer ramazan, BAŞDEMİR FATMA, KAYA CENGİZ, ŞENBAYRAM MEHMET
Acta Agriculturae Scandinavica, Section B — Soil & Plant Science, <https://doi.org/10.1080/09064710.2024.2412767>

Bildiriler (YOKSIS)

- 1 **Aminolevulinic acid improves salinity induced photo protection mechanisms in two corn cultivars differing in salinity tolerance**
KAYA CENGİZ, Ashraf Muhammed, ŞENBAYRAM MEHMET, SÖNMEZ OSMAN
DGP Tagung 2015 - Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,
- 2 **Biochar s effect on C sequestration and N2O emissions depends on soil type and biochar substrate**
ŞENBAYRAM MEHMET, Saygan Ebru Pinar, Wu Di, Kuzyakov Yakov, AYDEMİR SALİH, Bol Roland, KAYA CENGİZ, Evgenia Blagodatskaya
Eurosoil 2016 ,
- 3 **Denitri cation in Agricultural Soils Integrated control and Modelling at various scales DASIM**
Müller Christoph, Well Reinhard, Bötcher Jörgen, ButterbachBahl Klaus, Dannenmann Michael, Deppe Marianna, Dittert Klaus, Dörsch Peter, Horn Marcus, Ippisch Olaf, Mikutta Robert, ŞENBAYRAM MEHMET, Vogler HansJürgen, Nicole WrageMönnig, Carsten Müller
European Geosciences Union General Assembly 2016 ,
- 4 **Determination of the Soil Physical and Chemical Properties via Using Unmanned Aerial Vehicles Equipped Multispectral Camera**

- 4 **DİNDAROĞLU TURGAY, GÜLCİ SERCAN, ŞENBAYRAM MEHMET, GÜNDOĞAN RECEP**
UN/Romania International Conference on Space Solutions for Sustainable Agriculture and Precision Farming ,

- 5 **Do $\delta^{13}\text{C}$ of CO_2 measurements from soil always reflect the $\delta^{13}\text{C}$ signature of respired organic carbon**
ŞENBAYRAM MEHMET, Chen Ruirui, Dittert Klaus
X Isotope Workshop - POLAND ,

- 6 **Ernteresiduen von Winterraps haben keinen Einfluss auf die Nachernte N_2O Emissionen im Bioenergie Rapsanbau**
Köbke Sarah, ŞENBAYRAM MEHMET, Hegewald Hannes, Christen Olaf, Dittert Klaus
DGP Tagung 2015 Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,

- 7 **HTC Biokohlen als Bodenverbesserer Einfluss variierter Prozesstemperaturen auf die Abgabe klimarelevanter Gase und die Stickstoffdynamik im Boden**
Rekate Florian, ŞENBAYRAM MEHMET, Dittert Klaus
DGP Tagung 2015 Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,

- 8 **K supply mitigates photo-oxidative damage under osmotic stress by avoiding ROS generation and improving metabolism**
Tavakol Ershad, Jakli Balint, Dittert Klaus, ŞENBAYRAM MEHMET
XVIII INTERNATIONAL PLANT NUTRITION COLLOQUIUM 19-24 AUGUST 2017 • COPENHAGEN DENMARK , <http://www.ipnc2017.org/the-proceedings-book>

- 9 **Nitrification inhibitors mitigate fertilizer derived N_2O emissions under conditions favoring denitrification**
Wu Di, ŞENBAYRAM MEHMET, Brüggeman Nicolaus, Dittert Klaus, Bol Roland
NORA-ICOS-SITES workshop: "Gas flux measurements in terrestrial ecosystems- state of the art and emerging technologies" , <https://www.nmbu.no/download/file/fid/9874+&cd=1&hl=tr&ct=clnk&gl=tr>

- 10 **Oilseed rape straw incorporation to soil does not affect post harvest N_2O emissions**
Köbke Sarah, ŞENBAYRAM MEHMET, Dittert Klaus
NORA-ICOS-SITES workshop: "Gas flux measurements in terrestrial ecosystems - state of the art and emerging technologies" , <https://www.nmbu.no/download/file/fid/9874+&cd=1&hl=tr&ct=clnk&gl=tr>

- 11 **Photoprotective reactions of Mg deficient barley plants**
Trankner Merle, Tavakhol Ershad, Dittert Klaus, ŞENBAYRAM MEHMET
DGP Tagung 2015 - Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,

- 12 **Physiological and molecular responses of barley to potassium deficiency and drought stress**
Tavakhol Ershad, Jakli Balint, Trankner Merle, Dittert Klaus, ŞENBAYRAM MEHMET
DGP Tagung 2015 - Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,

- 13 **Post harvest N_2O emissions were not affected by various types of oilseed straw incorporated into soil**
Köbke Sarah, ŞENBAYRAM MEHMET, Hegewald Hannes, Christen Olaf, Dittert Klaus
European Geosciences Union General Assembly 2015 ,
<http://meetingorganizer.copernicus.org/EGU2015/EGU2015-14861.pdf>

- 14 **Post-harvest N₂O emissions in bioenergy oilseed rape rotations were regulated by soil residual N not by residue properties**
Kobke Sarah, ŞENBAYRAM MEHMET, Hegewald Hannes, Christen Olaf, Dittert Klaus
XVIII INTERNATIONAL PLANT NUTRITION COLLOQUIUM 19-24 AUGUST 2017 • COPENHAGEN DENMARK , <http://www.ipnc2017.org/the-proceedings-book>
- 15 **PRODUCTIVITY AND WATER USE IN MIXED CROPPING SYSTEMS**
Annika Lingner, ŞENBAYRAM MEHMET, Dittert Klaus
German Plant Nutrition 2016 International Conference , https://dgp2016.uni-hohenheim.de/fileadmin/einrichtungen/dgp2016/FinalProceedingPlantNutr2016_27.09.16.pdf
- 16 **SITE SPECIFIC ADAPTATION OF LENTIL BY NATURAL SELECTION AND ITS EFFECT ON DROUGHT TOLERANCE**
Michael Ruland, Troughhaut Salim, ŞENBAYRAM MEHMET, Horneburg Bernd
Eucarpia International Symposium on Protein Crops - V Meeting AEL , https://www.researchgate.net/profile/Estefania_Carrillo2/publication/276274641_Identification_of_resistance_to_pea_weevil_%28Bruchus_pisorum%29_in_pea_germplasm/links/5554a03408ae980ca60a0a83.pdf
- 17 **Studying CO₂ from plant respiration in controlled and natural environment: How can plant breeding industry benefit from it? (Conference Presentation)**
ŞENBAYRAM MEHMET
SPIE Commercial Scientific Sensing and Imaging , <https://www.spiedigitallibrary.org/conference-presentations/10664/1066408/Studying-CO2-from-plant-respiration-in-controlled-and-natural-environment/10.1117/12.2315601.5783314306001>
- 18 **The effect of organic C supply on denitrification derived N₂O emission from soils**
ŞENBAYRAM MEHMET, Chen Ruirui, Muhling Karl H, Dittert Klaus
The 16th Nitrogen Workshop 2009 Turin, Italy ,
- 19 **The effect of soil pH on N₂O N₂ product ratio of denitrification depends on soil NO₃ concentration**
ŞENBAYRAM MEHMET, Dittert Klaus, Well Reinhard, Lewicka-Szczebak Dominika, Lammel Joachim, Bakken Lars
European Geosciences Union General Assembly 2015 , <http://meetingorganizer.copernicus.org/EGU2015/EGU2015-15760.pdf>
- 20 **The role of potassium in optimizing water use efficiency and drought adaptation from single leaves to whole plants**
Jakli Balint, ŞENBAYRAM MEHMET, Trankner Merle, Tavakhol Ershad, Dittert Klaus
DGP Tagung 2015 - Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,
- 21 **Traits for water and nutrient use in mixed cropping systems**
Lingner Annika, Wolfgang Link, Johannes Isselstein, Steinmann Horst, ŞENBAYRAM MEHMET
DGP Tagung 2015 - Boden, Nährstoffe, Wasser – Forschung für die nachhaltige und effiziente Nutzung von Ressourcen ,
- 22 **Validating soil denitrification models based on laboratory N₂ and N₂O fluxes and underlying processes derived by stable isotope approaches**
Well Reinhard, Böttcher Jürgen, Butterbach-Bahl Klaus, Danenmann Michael, Deppe Marianna, Dittert Klaus, Dörsch Peter, Horn Marcus, Ippisch Olaf, Mikutta Robert, Müller Carsten, Müller Christoph, ŞENBAYRAM MEHMET, Wrage-Mönnig Nicole
EGU General Assembly 2016 , <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-14246.pdf>

