

Metabolism of the masked mycotoxin deoxynivalenol-3

Toxicology Letters

229, 190-197

DOI: [10.1016/j.toxlet.2014.06.032](https://doi.org/10.1016/j.toxlet.2014.06.032)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Deoxynivalenol (DON) sulfonates as major DON metabolites in rats: from identification to biomarker method development, validation and application. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7911-7924. | 1.9 | 33 |
| 2 | Scientific Opinion on the risks for human and animal health related to the presence of modified forms of certain mycotoxins in food and feed. <i>EFSA Journal</i> , 2014, 12, 3916. | 0.9 | 152 |
| 3 | Experimental study of deoxynivalenol biomarkers in urine. <i>EFSA Supporting Publications</i> , 2015, 12, . | 0.3 | 28 |
| 4 | Breeding healthy cereals: genetic improvement of <i>Fusarium</i> resistance and consequences for mycotoxins. <i>World Mycotoxin Journal</i> , 2015, 8, 591-602. | 0.8 | 36 |
| 5 | Mycotoxins and other fungal metabolites in grain dust from Norwegian grain elevators and compound feed mills. <i>World Mycotoxin Journal</i> , 2015, 8, 361-373. | 0.8 | 26 |
| 6 | Risk assessment of chronic dietary exposure to the conjugated mycotoxin deoxynivalenol-3- β -glucoside in the Dutch population. <i>World Mycotoxin Journal</i> , 2015, 8, 561-572. | 0.8 | 7 |
| 7 | Distribution of deoxynivalenol, zearalenone, and their respective modified analogues in milling fractions of naturally contaminated wheat grains. <i>World Mycotoxin Journal</i> , 2015, 8, 433-443. | 0.8 | 32 |
| 8 | A Novel Peptide-Binding Motifs Inference Approach to Understand Deoxynivalenol Molecular Toxicity. <i>Toxins</i> , 2015, 7, 1989-2005. | 1.5 | 32 |
| 9 | Biochemical Characterization of a Recombinant UDP-glucosyltransferase from Rice and Enzymatic Production of Deoxynivalenol-3-O- β -D-glucoside. <i>Toxins</i> , 2015, 7, 2685-2700. | 1.5 | 40 |
| 10 | Review on Mycotoxin Issues in Ruminants: Occurrence in Forages, Effects of Mycotoxin Ingestion on Health Status and Animal Performance and Practical Strategies to Counteract Their Negative Effects. <i>Toxins</i> , 2015, 7, 3057-3111. | 1.5 | 253 |
| 11 | Metabolism of Deoxynivalenol and Deepoxy-Deoxynivalenol in Broiler Chickens, Pullets, Roosters and Turkeys. <i>Toxins</i> , 2015, 7, 4706-4729. | 1.5 | 51 |
| 12 | A Versatile Family 3 Glycoside Hydrolase from <i>Bifidobacterium adolescentis</i> Hydrolyzes β -Glucosides of the <i>Fusarium</i> Mycotoxins Deoxynivalenol, Nivalenol, and HT-2 Toxin in Cereal Matrices. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4885-4893. | 1.4 | 26 |
| 13 | Simultaneous determination of major type A and B trichothecenes, zearalenone and certain modified metabolites in Finnish cereal grains with a novel liquid chromatography-tandem mass spectrometric method. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4745-4755. | 1.9 | 133 |
| 14 | Metabolism of modified mycotoxins studied through in vitro and in vivo models: An overview. <i>Toxicology Letters</i> , 2015, 233, 24-28. | 0.4 | 47 |
| 15 | In vivo toxicity studies of fusarium mycotoxins in the last decade: A review. <i>Food and Chemical Toxicology</i> , 2015, 78, 185-206. | 1.8 | 295 |
| 16 | Biotransformation of the Mycotoxin Deoxynivalenol in <i>Fusarium</i> Resistant and Susceptible Near Isogenic Wheat Lines. <i>PLoS ONE</i> , 2015, 10, e0119656. | 1.1 | 93 |
| 17 | Prevalence and effects of mycotoxins on poultry health and performance, and recent development in mycotoxin counteracting strategies. <i>Poultry Science</i> , 2015, 94, 1298-1315. | 1.5 | 150 |
| 18 | Deoxynivalenol, zearalenone, and <i>Fusarium graminearum</i> contamination of cereal straw; field distribution; and sampling of big bales. <i>Mycotoxin Research</i> , 2015, 31, 101-107. | 1.3 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Modified Fusarium mycotoxins unmasked: From occurrence in cereals to animal and human excretion. Food and Chemical Toxicology, 2015, 80, 17-31. | 1.8 | 91 |
| 20 | Deoxynivalenol and its masked forms in food and feed. Current Opinion in Food Science, 2015, 5, 43-49. | 4.1 | 34 |
| 21 | Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. Journal of Agricultural and Food Chemistry, 2015, 63, 7862-7872. | 2.4 | 78 |
| 22 | Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. Analytical and Bioanalytical Chemistry, 2015, 407, 1033-1039. | 1.9 | 68 |
| 23 | Chemical Synthesis of Deoxynivalenol-3- ¹² -d-[¹³ C ₆]-glucoside and Application in Stable Isotope Dilution Assays. Molecules, 2016, 21, 838. | 1.7 | 10 |
| 24 | Development and Validation of an Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry Method for Simultaneous Determination of Four Type B Trichothecenes and Masked Deoxynivalenol in Various Feed Products. Molecules, 2016, 21, 747. | 1.7 | 17 |
| 25 | Mycotoxin Contamination in the EU Feed Supply Chain: A Focus on Cereal Byproducts. Toxins, 2016, 8, 45. | 1.5 | 240 |
| 26 | Occurrence, prevention and remediation of toxigenic fungi and mycotoxins in silage: a review. Journal of the Science of Food and Agriculture, 2016, 96, 2284-2302. | 1.7 | 89 |
| 27 | Toxicology of deoxynivalenol and its acetylated and modified forms. Archives of Toxicology, 2016, 90, 2931-2957. | 1.9 | 232 |
| 28 | Tools for Defusing a Major Global Food and Feed Safety Risk: Nonbiological Postharvest Procedures To Decontaminate Mycotoxins in Foods and Feeds. Journal of Agricultural and Food Chemistry, 2016, 64, 8959-8972. | 2.4 | 42 |
| 29 | Masked mycotoxins: does breeding for enhanced Fusarium head blight resistance result in more deoxynivalenol-3-glucoside in new wheat varieties?. World Mycotoxin Journal, 2016, 9, 741-754. | 0.8 | 55 |
| 30 | Urinary deoxynivalenol (DON) and zearalenone (ZEA) as biomarkers of DON and ZEA exposure of pigs. Mycotoxin Research, 2016, 32, 69-75. | 1.3 | 15 |
| 31 | Analysis of deoxynivalenol and deoxynivalenol-3-glucosides content in Canadian spring wheat cultivars inoculated with <i>Fusarium graminearum</i> . Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1254-1264. | 1.1 | 20 |
| 32 | Comparative in vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. Food and Chemical Toxicology, 2016, 95, 103-109. | 1.8 | 55 |
| 33 | Mycotoxins: cytotoxicity and biotransformation in animal cells. Toxicology Research, 2016, 5, 377-387. | 0.9 | 60 |
| 34 | Intestinal toxicity of the masked mycotoxin deoxynivalenol-3- ¹² -d-glucoside. Archives of Toxicology, 2016, 90, 2037-2046. | 1.9 | 95 |
| 35 | In vivo contribution of deoxynivalenol-3- ¹² -d-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. Archives of Toxicology, 2017, 91, 699-712. | 1.9 | 75 |
| 36 | Effects of T ₂ Toxin on Pacific White Shrimp <i>Litopenaeus vannamei</i> : Growth, and Antioxidant Defenses and Capacity and Histopathology in the Hepatopancreas. Journal of Aquatic Animal Health, 2017, 29, 15-25. | 0.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A barley UDP-glucosyltransferase inactivates nivalenol and provides Fusarium Head Blight resistance in transgenic wheat. <i>Journal of Experimental Botany</i> , 2017, 68, 2187-2197. | 2.4 | 74 |
| 38 | T-2 Toxin-3 β -glucoside in Broiler Chickens: Toxicokinetics, Absolute Oral Bioavailability, and in Vivo Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4797-4803. | 2.4 | 15 |
| 39 | Occurrence of deoxynivalenol and deoxynivalenol-3-glucoside in durum wheat from Argentina. <i>Food Chemistry</i> , 2017, 230, 728-734. | 4.2 | 71 |
| 40 | Masked trichothecene and zearalenone mycotoxins withstand digestion and absorption in the upper GI tract but are efficiently hydrolyzed by human gut microbiota in vitro. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600680. | 1.5 | 82 |
| 41 | Fate of <i>Fusarium</i> Toxins during Brewing. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 190-198. | 2.4 | 19 |
| 42 | Molecular insights on xenoestrogenic potential of zearalenone-14-glucoside through a mixed in vitro/in silico approach. <i>Food and Chemical Toxicology</i> , 2017, 108, 257-266. | 1.8 | 29 |
| 43 | Glucuronidation of deoxynivalenol (DON) by different animal species: identification of iso-DON glucuronides and iso-deepoxy-DON glucuronides as novel DON metabolites in pigs, rats, mice, and cows. <i>Archives of Toxicology</i> , 2017, 91, 3857-3872. | 1.9 | 34 |
| 44 | <i>Fusarium</i> Mycotoxins in Food. , 2017, , 295-336. | | 6 |
| 45 | Metabolic profile of the masked mycotoxin T-2 toxin-3-glucoside in rats (in vitro and in vivo) and humans (in vitro). <i>World Mycotoxin Journal</i> , 2017, 10, 349-362. | 0.8 | 15 |
| 46 | Do Plant-Bound Masked Mycotoxins Contribute to Toxicity?. <i>Toxins</i> , 2017, 9, 85. | 1.5 | 44 |
| 47 | Mycotoxin profiling of 1000 beer samples with a special focus on craft beer. <i>PLoS ONE</i> , 2017, 12, e0185887. | 1.1 | 75 |
| 48 | Effects of deoxynivalenol (DON) and its microbial biotransformation product deepoxy-deoxynivalenol (DOM-1) on a trout, pig, mouse, and human cell line. <i>Mycotoxin Research</i> , 2017, 33, 297-308. | 1.3 | 49 |
| 49 | Effect of Prothioconazole Application Timing on <i>Fusarium</i> Mycotoxin Content in Maize Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4809-4819. | 2.4 | 29 |
| 50 | Humans significantly metabolize and excrete the mycotoxin deoxynivalenol and its modified form deoxynivalenol-3-glucoside within 24 hours. <i>Scientific Reports</i> , 2018, 8, 5255. | 1.6 | 85 |
| 51 | Chemical Glucosylation of Labile Natural Products Using a (2-Nitrophenyl)acetyl-Protected Glucosyl Acetimidate Donor. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2701-2706. | 1.2 | 1 |
| 52 | Traditionally Processed Beverages in Africa: A Review of the Mycotoxin Occurrence Patterns and Exposure Assessment. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 334-351. | 5.9 | 43 |
| 53 | Fungal community, <i>Fusarium</i> head blight complex and secondary metabolites associated with malting barley grains harvested in Umbria, central Italy. <i>International Journal of Food Microbiology</i> , 2018, 273, 33-42. | 2.1 | 33 |
| 54 | Modified mycotoxins: An updated review on their formation, detection, occurrence, and toxic effects. <i>Food and Chemical Toxicology</i> , 2018, 111, 189-205. | 1.8 | 207 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Hydrolisers of modified mycotoxins in maize: Î±-Amylase and cellulase induce an underestimation of the total aflatoxin content. <i>Food Chemistry</i> , 2018, 248, 86-92. | 4.2 | 32 |
| 56 | Porcine Small and Large Intestinal Microbiota Rapidly Hydrolyze the Masked Mycotoxin Deoxynivalenol-3-Glucoside and Release Deoxynivalenol in Spiked Batch Cultures <i>In Vitro</i>. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 30 |
| 57 | Determination of Trichothecenes in Cereal Matrices Using Subcritical Water Extraction Followed by Solid-Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2018, 11, 1113-1121. | 1.3 | 7 |
| 58 | Malting of Fusarium Head Blight-Infected Rye (<i>Secale cereale</i>): Growth of <i>Fusarium graminearum</i> , Trichothecene Production, and the Impact on Malt Quality. <i>Toxins</i> , 2018, 10, 369. | 1.5 | 15 |
| 59 | Prediction of deoxynivalenol toxicokinetics in humans by in vitro-to-in vivo extrapolation and allometric scaling of in vivo animal data. <i>Archives of Toxicology</i> , 2018, 92, 2195-2216. | 1.9 | 25 |
| 60 | Ultra-High-Performance Supercritical Fluid Chromatography as a Separation Tool for Fusarium Mycotoxins and Their Modified Forms. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 627-632. | 0.7 | 11 |
| 61 | Modified Fusarium Mycotoxins in Cereals and Their Productsâ€™ Metabolism, Occurrence, and Toxicity: An Updated Review. <i>Molecules</i> , 2018, 23, 963. | 1.7 | 90 |
| 62 | UDP-Glucosyltransferases from Rice, Brachypodium, and Barley: Substrate Specificities and Synthesis of Type A and B Trichothecene-3-O-Î²-d-glucosides. <i>Toxins</i> , 2018, 10, 111. | 1.5 | 35 |
| 63 | Development of an Analytical Method for Simultaneous Determination of the Modified Forms of 4,15-Diacetoxyscirpenol and their Occurrence in Japanese Retail Food. <i>Toxins</i> , 2018, 10, 178. | 1.5 | 13 |
| 64 | Monitoring and evaluation of the interaction between deoxynivalenol and gut microbiota in Wistar rats by mass spectrometry-based metabolomics and next-generation sequencing. <i>Food and Chemical Toxicology</i> , 2018, 121, 124-130. | 1.8 | 15 |
| 65 | Mycotoxin Biomarkers of Exposure: A Comprehensive Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 1127-1155. | 5.9 | 134 |
| 66 | Mycotoxins in Food and Feed: An Overview. , 2019, , 401-419. | | 7 |
| 67 | Pullulation of toxigenic <i>Fusarium</i> and Deoxynivalenol in the malting of de minimis infected barley (<i>Hordeum vulgare</i>). <i>LWT - Food Science and Technology</i> , 2019, 113, 108242. | 2.5 | 7 |
| 68 | Aflatoxins in Food and Feed: An Overview on Prevalence, Detection and Control Strategies. <i>Frontiers in Microbiology</i> , 2019, 10, 2266. | 1.5 | 191 |
| 69 | Metabolic Profile, Bioavailability and Toxicokinetics of Zearalenone-14-Glucoside in Rats after Oral and Intravenous Administration by Liquid Chromatography High-Resolution Mass Spectrometry and Tandem Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5473. | 1.8 | 12 |
| 70 | Food Safety & Mycotoxins. , 2019, , . | | 1 |
| 71 | Biomonitoring of Deoxynivalenol and Deoxynivalenol-3-glucoside in Human Volunteers: Renal Excretion Profiles. <i>Toxins</i> , 2019, 11, 466. | 1.5 | 32 |
| 72 | Changes in masked forms of deoxynivalenol and their co-occurrence with culmorin in cereal-based products: A systematic review and meta-analysis. <i>Food Chemistry</i> , 2019, 294, 587-596. | 4.2 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Simple validated method for simultaneous determination of deoxynivalenol, nivalenol, and their 3- ¹² -D-glucosides in baby formula and Korean rice wine via HPLC-UV with immunoaffinity cleanup. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019, 36, 964-975. | 1.1 | 15 |
| 74 | Multi LC-MS/MS and LC-HRMS Methods for Determination of 24 Mycotoxins including Major Phase I and II Biomarker Metabolites in Biological Matrices from Pigs and Broiler Chickens. <i>Toxins</i> , 2019, 11, 171. | 1.5 | 48 |
| 75 | Biomarkers for Exposure as A Tool for Efficacy Testing of A Mycotoxin Detoxifier in Broiler Chickens and Pigs. <i>Toxins</i> , 2019, 11, 187. | 1.5 | 23 |
| 76 | The effects of naturally occurring or purified deoxynivalenol (DON) on growth performance, nutrient utilization and histopathology of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2019, 505, 319-332. | 1.7 | 10 |
| 77 | Metabolism of nivalenol and nivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2019, 306, 43-52. | 0.4 | 9 |
| 78 | Deoxynivalenol-3-sulphate is the major metabolite of dietary deoxynivalenol in eggs of laying hens. <i>World Mycotoxin Journal</i> , 2019, 12, 245-255. | 0.8 | 7 |
| 79 | Mycotoxin Testing Paradigm: Challenges and Opportunities for the Future. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1681-1688. | 0.7 | 3 |
| 80 | Mycotoxin Testing Paradigm: Challenges and Opportunities for the Future. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1681-1688. | 0.7 | 15 |
| 81 | Optimised extraction methods for the determination of trichothecenes in rat faeces followed by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1105, 47-53. | 1.2 | 5 |
| 82 | A systematic review of plant-conjugated masked mycotoxins: Occurrence, toxicology, and metabolism. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 1523-1537. | 5.4 | 55 |
| 83 | Assessing the toxicity in vitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO ₂ composite. <i>Chemosphere</i> , 2020, 238, 124648. | 4.2 | 44 |
| 84 | Investigation of age-related differences in toxicokinetic processes of deoxynivalenol and deoxynivalenol-3-glucoside in weaned piglets. <i>Archives of Toxicology</i> , 2020, 94, 417-425. | 1.9 | 7 |
| 85 | Effects of feeding high-protein corn distillers dried grains and a mycotoxin mitigation additive on growth performance, carcass characteristics, and pork fat quality of growing and finishing pigs. <i>Translational Animal Science</i> , 2020, 4, 666-681. | 0.4 | 5 |
| 86 | Mycotoxins: Biotransformation and Bioavailability Assessment Using Caco-2 Cell Monolayer. <i>Toxins</i> , 2020, 12, 628. | 1.5 | 23 |
| 87 | Combination of Antimicrobial Starters for Feed Fermentation: Influence on Piglet Feces Microbiota and Health and Growth Performance, Including Mycotoxin Biotransformation in vivo. <i>Frontiers in Veterinary Science</i> , 2020, 7, 528990. | 0.9 | 13 |
| 88 | Co-Occurrence and Levels of Mycotoxins in Fish Feeds in Kenya. <i>Toxins</i> , 2020, 12, 627. | 1.5 | 17 |
| 89 | Modified mycotoxins in foodstuffs, animal feed, and herbal medicine: A systematic review on global occurrence, transformation mechanism and analysis methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 133, 116088. | 5.8 | 27 |
| 90 | The Effect of Simulated Lepidopteran Ear Feeding Injury on Mycotoxin Accumulation in Grain Corn (Poales: Poaceae). <i>Journal of Economic Entomology</i> , 2020, 113, 2187-2196. | 0.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Mycotoxin and Gut Microbiota Interactions. <i>Toxins</i> , 2020, 12, 769. | 1.5 | 52 |
| 92 | Efficacy of Mycotoxin Detoxifiers on Health and Growth of Newly-Weaned Pigs under Chronic Dietary Challenge of Deoxynivalenol. <i>Toxins</i> , 2020, 12, 311. | 1.5 | 38 |
| 93 | Transient effect of single or repeated acute deoxynivalenol and zearalenone dietary challenge on fecal microbiota composition in female finishing pigs. <i>Animal</i> , 2020, 14, 2277-2287. | 1.3 | 11 |
| 94 | Occurrence of Deoxynivalenol, Nivalenol, and Their Glucosides in Korean Market Foods and Estimation of Their Population Exposure through Food Consumption. <i>Toxins</i> , 2020, 12, 89. | 1.5 | 21 |
| 95 | Deoxynivalenol: Masked forms, fate during food processing, and potential biological remedies. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 895-926. | 5.9 | 63 |
| 96 | Mycotoxin mixtures in food and feed: holistic, innovative, flexible risk assessment modelling approach. <i>EFSA Supporting Publications</i> , 2020, 17, 1757E. | 0.3 | 38 |
| 97 | Comparative toxicokinetics of Fusarium mycotoxins in pigs and humans. <i>Food and Chemical Toxicology</i> , 2020, 137, 111140. | 1.8 | 53 |
| 98 | Intestinal Metabolism of $\hat{1}\pm$ - and $\hat{1}^2$ -Glucosylated Modified Mycotoxins T-2 and HT-2 Toxin in the Pig Cecum Model. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5455-5461. | 2.4 | 16 |
| 99 | The Scourge of Aflatoxins in Kenya: A 60-Year Review (1960 to 2020). <i>Journal of Food Quality</i> , 2021, 2021, 1-31. | 1.4 | 23 |
| 100 | Development of a multi-mycotoxin LC-MS/MS method for the determination of biomarkers in pig urine. <i>Mycotoxin Research</i> , 2021, 37, 169-181. | 1.3 | 7 |
| 101 | Biomarkers of deoxynivalenol (DON) and its modified form DON-3-glucoside (DON-3G) in humans. <i>Trends in Food Science and Technology</i> , 2021, 110, 551-558. | 7.8 | 14 |
| 102 | Effectiveness of a novel fungicide pydiflumetofen against Fusarium head blight and mycotoxin accumulation in winter wheat. <i>World Mycotoxin Journal</i> , 2021, 14, 477-493. | 0.8 | 3 |
| 103 | Fusarium cerealis causing Fusarium head blight of durum wheat and its associated mycotoxins. <i>International Journal of Food Microbiology</i> , 2021, 346, 109161. | 2.1 | 20 |
| 104 | Two Different Inoculation Methods Unveiled the Relative Independence of DON Accumulation in Wheat Kernels from Disease Severity on Spike after Infection by Fusarium Head Blight. <i>Toxins</i> , 2021, 13, 353. | 1.5 | 3 |
| 105 | The Occurrence of Mycotoxins in Raw Materials and Fish Feeds in Europe and the Potential Effects of Deoxynivalenol (DON) on the Health and Growth of Farmed Fish Species—A Review. <i>Toxins</i> , 2021, 13, 403. | 1.5 | 14 |
| 106 | Mycotoxin Biomarkers in Pigs—Current State of Knowledge and Analytics. <i>Toxins</i> , 2021, 13, 586. | 1.5 | 16 |
| 107 | Yesterday masked, today modified; what do mycotoxins bring next?. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2018, 69, 196-214. | 0.4 | 39 |
| 108 | Risks to human and animal health related to the presence of deoxynivalenol and its acetylated and modified forms in food and feed. <i>EFSA Journal</i> , 2017, 15, e04718. | 0.9 | 218 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Biomarkers of Deoxynivalenol, Citrinin, Ochratoxin A and Zearalenone in Pigs after Exposure to Naturally Contaminated Feed Close to Guidance Values. <i>Toxins</i> , 2021, 13, 750. | 1.5 | 8 |
| 110 | Structure-toxicity relationships, toxicity mechanisms and health risk assessment of food-borne modified deoxynivalenol and zearalenone: A comprehensive review. <i>Science of the Total Environment</i> , 2022, 806, 151192. | 3.9 | 22 |
| 111 | Deoxynivalenol: Mechanisms of action and its effects on various terrestrial and aquatic species. <i>Food and Chemical Toxicology</i> , 2021, 157, 112616. | 1.8 | 34 |
| 112 | DEOXYNIVALENOL, A TRICHOHECENE MYCOTOXIN: REVIEW OF ITS MASKED FORM, CONTAMINATION IN CEREAL-BASED FEED, AND MASS SPECTROMETRY ANALYTICAL METHODS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015, 84, 104-114. | 0.2 | 0 |
| 114 | Cellobiose inhibits the release of deoxynivalenol from transformed deoxynivalenol-3-glucoside from <i>Lactiplantibacillus plantarum</i> . <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100077. | 0.9 | 1 |
| 115 | Cellobiose Inhibits the Release of Deoxynivalenol from Transformed Deoxynivalenol-3-Glucoside from <i>Lactiplantibacillus Plantarum</i> . <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 116 | Trace analysis of emerging and regulated mycotoxins in infant stool by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7503-7516. | 1.9 | 11 |
| 117 | Ochratoxin A as an alarming health threat for livestock and human: A review on molecular interactions, mechanism of toxicity, detection, detoxification, and dietary prophylaxis. <i>Toxicon</i> , 2022, 213, 59-75. | 0.8 | 23 |
| 124 | Deoxynivalenol: An Overview on Occurrence, Chemistry, Biosynthesis, Health Effects and Its Detection, Management, and Control Strategies in Food and Feed. <i>Microbiology Research</i> , 2022, 13, 292-314. | 0.8 | 18 |
| 125 | Deoxynivalenol and its modified forms: key enzymes, inter-individual and interspecies differences in metabolism. <i>Drug Metabolism Reviews</i> , 2022, 54, 331-342. | 1.5 | 1 |
| 126 | Mycotoxin Co-Occurrence in Michigan Harvested Maize Grain. <i>Toxins</i> , 2022, 14, 431. | 1.5 | 11 |
| 127 | Exploration of Mycotoxin Accumulation and Transcriptomes of Different Wheat Cultivars during <i>Fusarium graminearum</i> Infection. <i>Toxins</i> , 2022, 14, 482. | 1.5 | 1 |
| 128 | The Deoxynivalenol Challenge. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 9619-9624. | 2.4 | 27 |
| 129 | Toxicokinetics and metabolism of deoxynivalenol in animals and humans. <i>Archives of Toxicology</i> , 2022, 96, 2639-2654. | 1.9 | 34 |
| 130 | Occurrence, transformation, and toxicity of fumonisins and their covert products during food processing. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-14. | 5.4 | 5 |
| 131 | Modified Mycotoxins, a Still Unresolved Issue. <i>Chemistry</i> , 2022, 4, 1498-1514. | 0.9 | 2 |
| 132 | Urinary and Serum Concentration of Deoxynivalenol (DON) and DON Metabolites as an Indicator of DON Contamination in Swine Diets. <i>Toxins</i> , 2023, 15, 120. | 1.5 | 1 |
| 133 | Pasta cooking influence on in vitro bioaccessibility of type B trichothecenes, acrylamide and hydroxymethylfurfural. <i>Food Research International</i> , 2023, 169, 112863. | 2.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
|---|---------|----|-----------|