

Author	Year	Title
Abbo et al.	2016	Effects of Imidacloprid and Varroa destructor on survival and health of European honey bees, Apis mellifera
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Alburaki et al.	2016	Performance of honeybee colonies located in neonicotinoid-treated and untreated cornfields in Quebec
Alkassab and Kirchner	2016	Impacts of chronic sublethal exposure to clothianidin on winter honeybees
Ansoar-Rodriguez et al.	2016	Genotoxic Potential of the Insecticide Imidacloprid in a Non-Target Organism (Oreochromis niloticus-Pisces)*
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Benton et al.	2016	Consequences of Imidacloprid treatments for hemlock woolly adelgid on stream water quality in the southern Appalachians
Botias et al.	2016	Response to Comment on "Neonicotinoid Residues in Wildflowers, A Potential Route of Chronic Exposure for Bees"
Botias et al.	2016	Contamination of wild plants near neonicotinoid seed-treated crops, and implications for non-target insects
Brandt et al.	2016	The neonicotinoids thiacloprid, imidacloprid, and clothianidin affect the immunocompetence of honey bees (Apis mellifera L.)
Bro et al.	2016	Residues of plant protection products in grey partridge eggs in French cereal ecosystems
Calatayud-Vernich et al.	2016	Influence of pesticide use in fruit orchards during blooming on honeybeemortality in 4 experimental apiaries
Camp and Buchwalter	2016	Can't take the heat: Temperature-enhanced toxicity in the mayfly Isomyia bicolor exposed to the neonicotinoid insecticide imidacloprid
Cavallaro et al.	2016	Comparative chronic toxicity of imidacloprid, clothianidin, and thiamethoxam to Chironomus Dilutus and estimation of toxic equivalency factors
Chaimanee et al.	2016	Sperm viability and gene expression in honey bee queens (Apis mellifera) following exposure to the neonicotinoid insecticide imidacloprid and the organophosphate acaricide coumaphos
Chaimanee et al.	2016	Sperm viability and gene expression in honey bee queens (Apis mellifera) following exposure to the neonicotinoid insecticide imidacloprid and the organophosphate acaricide coumaphos
Christen et al.	2016	Molecular effects of neonicotinoids in honey bees (Apis mellifera)
Codling et al.	2016	Concentrations of neonicotinoid insecticides in honey pollen and honey bees (Apis mellifera L.) in central Saskatchewan, Canada
de Souza Rosa et al.	2016	Consumption of the neonicotinoid thiamethoxam during the larval stage affects the survival and development of the stingless bee, Scaptotrigona aff. Depilis
Demares et al.	2016	Sucrose Sensitivity of Honey Bees Is Differently Affected by Dietary Protein and a Neonicotinoid Pesticide
Di Prisco et al.	2016	A mutualistic symbiosis between a parasitic mite and a pathogenic virus undermines honey bee immunity and health
Donley	2016	Toxic Cocktails: How the EPA Ignores the Dangers of Toxic Cocktails
Dussaubat et al.	2016	Combined neonicotinoid pesticide and parasite stress alter honeybee queens' physiology and survival
Evelstizer and Skopec	2016	Pesticides, Including Neonicotinoids, in Drained Wetlands of Iowa's Prairie Pothole Region
Fogel et al.	2016	Toxicity assessment of four insecticides with different modes of action on pupae and adults of Eriopsis connexa (Coleoptera:Coccinellidae), a relevant predator of the Neotropical Region
Forister et al.	2016	Increasing neonicotinoid use and the declining butterfly fauna of lowland California
Guseman et al.	2016	Multi-Drug Resistance Transporters and a Mechanism-Based Strategy for Assessing Risks of Pesticide Combinations to Honey Bees
Hsiao et al.	2016	Imidacloprid toxicity impairs spatial memory of echolocation bats through neural apoptosis in hippocampal CA1 and medial entorhinal cortex areas
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Johnston et al.	2016	Divergent forms of endoplasmic reticulum stress trigger a robust unfolded protein response in honey bees
Karl et al.	2016	Under-vine Management Impacts Soil Properties and Leachate Composition in a New York State Vineyard
Kasai et al.	2016	Fipronil application on rice paddy fields reduces densities of common skimmer and scarlet skimmer
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Kayser et al.	2016	Binding of imidacloprid, thiamethoxam and N-desmethylthiamethoxam to nicotinic receptors of Myzus persicae: pharmacological profiling using neonicotinoids, natural agonists and antagonists
Kiljaneek et al.	2016	Multi-residue method for the determination of pesticides and pesticide metabolites in honeybees by liquid and gas chromatography coupled with tandem mass spectrometry—Honeybee poisoning incidents
Long and Krupke	2016	Non-cultivated plants present a season-long route of pesticide exposure for honey bees
Lopez-Anita et al.	2016	Risk assessment of pesticide seed treatment for farmland birds
Main et al.	2016	Snowmelt transport of neonicotinoid insecticides to Canadian Prairie wetlands
Mateo et al.	2016	Risk assessment of lead poisoning and pesticide exposure in the declining population of red-breasted goose (Branta ruficollis) wintering in Eastern Europe
Moffat et al.	2016	Neonicotinoids target distinct nicotinic acetylcholine receptors and neurons, leading to differential risks to bumblebees
Nazari et al.	2016	Effects of pyriproxyfen and imidacloprid on mortality and reproduction of Menochilus sexmaculatus (Coleoptera:Coccinellidae), predator of Agonoscena pistaciae
Nettles et al.	2016	Influence of pesticide seed treatments on rhizosphere fungal and bacterial communities and leaf fungal endophyte communities in maize and soybean
Peng and Yang	2016	Sublethal Dosage of Imidacloprid Reduces the Microglomerular Density of Honey Bee Mushroom Bodies
Piironen and Goulson	2016	Chronic neonicotinoid pesticide exposure and parasite stress differentially affects learning in honeybees and bumblebees
Rodríguez-Cabo et al.	2016	Selective extraction and determination of neonicotinoid insecticides in wine by liquid chromatography—tandem mass spectrometry
Sanchez-Bayo et al.	2016	Are bee diseases linked to pesticides? — A brief review
Smith et al.	2016	Evidence for indirect effects of pesticide seed treatments on weed seedbanks in maize and soybean
Stanley and Raine	2016	Chronic exposure to a neonicotinoid pesticide alters the interactions between bumblebees and wild plants
Stanley et al.	2016	Investigating the impacts of field-realistic exposure to a neonicotinoid pesticide on bumblebee foraging, homing ability and colony growth
Switzer and Combes	2016	The neonicotinoid pesticide, imidacloprid, affects Bombus impatiens (bumblebee) sonication behavior when consumed at doses below the LD50
Thiel and Kohler	2016	A sublethal imidacloprid concentration alters foraging and competition behaviour of ants
Thompson and Campbell	2016	Comment on "Neonicotinoid Residues in Wildflowers, A Potential Route of Chronic Exposure for Bees"
Tison et al.	2016	Honey bees' behavior is impaired by chronic exposure to the neonicotinoid thiacloprid in the field
Tosi et al.	2016	Effects of a neonicotinoid pesticide on thermoregulation of African honey bees (Apis mellifera scutellata)
Tsaboula et al.	2016	Environmental and human risk hierarchy of pesticides: A prioritization method, based on monitoring, hazard assessment and environmental fate
United States Government Accountability Office	2016	USDA and EPA Should Take Additional Actions to Address Threats to Bee Populations
Wang et al.	2016	Imidacloprid exposure suppresses neural crest cell generation during early chick embryo development
Wanumen et al.	2016	Residual Acute Toxicity of Some Modern Insecticides Toward Two Mirid Tomato Pests
Wessler et al.	2016	Honeybees Produce Millimolar Concentrations of Non-Neuronal Acetylcholine for Breeding: Possible Adverse Effects of Neonicotinoids
Wettstein et al.	2016	Leaching of the Neonicotinoids Thiamethoxam and Imidacloprid from Sugar Beet Seed Dressings to Subsurface Tile Drains
Woodcock et al.	2016	Impacts of neonicotinoid use on lone-term population changes in wild bees in England
Wu-Smart and Spivak	2016	Sub-lethal effects of dietary neonicotinoid insecticide exposure on honey bee queen fecundity and colony development
Yuan et al.	2016	Lethal, sublethal and transgenerational effects of the novel chiral neonicotinoid pesticide cycloxaprid on demographic and behavioral traits of Aphis gossypii (Hemiptera: Aphididae)
Adams et al.	2015	Efficacy of Selected Insecticides Applied to Hybrid Rice Seed
Alburaki et al.	2015	Neonicotinoid-Coated Zea mays Seeds Indirectly Affect Honeybee Performance and Pathogen Susceptibility in Field Trials
Babendreier et al.	2015	Non-target effects of insecticides, entomopathogenic fungi and nematodes applied against western corn rootworm larvae in maize
Badwy et al.	2015	Toxicity and biochemical changes in the honey bee Apis mellifera exposed to four insecticides under laboratory conditions
Bass et al.	2015	The global status of insect resistance to neonicotinoid insecticides
Berenbaum	2015	Does the Honey Bee "Risk Cup" Runneth Over? Estimating Aggregate Exposures for Assessing Pesticide Risks to Honey Bees in Agroecosystems
Bianchi et al.	2015	Toxicogenetic effects of low concentrations of the pesticides imidacloprid and sulfentrazone individually and in combination in vitro tests with HepG2 cells and Salmonella typhimurium
Biocca et al.	2015	The assessment of dust drift from pneumatic drills using static tests and in-field validation
Biocca et al.	2015	Dust Emissions During the Sowing of Maize Dressed Seeds and Drift Re-ducting Devices
Blaken et al.	2015	Interaction between Varroa destructor and Imidacloprid reduces flight capacity of honeybees
Botias et al.	2015	Neonicotinoid Residues in Wildflowers, a Potential Route of Chronic Exposure for Bees
Cabrera et al.	2015	Initial recommendations for higher-tier risk assessment protocols for bumble bees, Bombus spp. (Hymenoptera: Apidae)
Charretton et al.	2015	A Locomotor Deficit Induced by Sublethal Doses of Pyrethroid and Neonicotinoid Insecticides in the Honeybee Apis mellifera
Collison et al.	2015	Interactive effects of pesticide exposure and pathogen infection on bee health — a critical analysis
Coupe & Capel	2015	Trends in pesticide use on soybean, corn and cotton since the introduction of major genetically modified crops in the United States
Da Silva et al.	2015	Pesticide exposure of honeybees (Apis mellifera L.) pollinating melon crops
David et al.	2015	Widespread contamination of wildflower and bee-collected pollen with complex mixtures of neonicotinoids and fungicides commonly applied to crops
Dively et al.	2015	Assessment of Chronic Sublethal Effects of Imidacloprid on Honey Bee Colony Health

EA SAC	2015	Ecosystem services, agriculture and neonicotinoids
Filimon et al.	2015	The effect of some insecticides on soil microorganisms based on enzymatic and bacteriological analyses
Fryday et al. (FERA)	2015	Systematic literature review on the neonicotinoids (namely active substances clothianidin, thiamethoxam and imidacloprid) and the risks to bees
Gilburn	2015	Are neonicotinoid insecticides driving declines of widespread butterflies?
Godfray et al.	2015	A restatement of recent advances in the natural science evidence base concerning neonicotinoid insecticides and insect pollinators
Goñálons and Farina	2015	Effects of Sublethal Doses of Imidacloprid on Young Adult Honeybee Behaviour
Goulson	2015	Neonicotinoids impact bumblebee colony fitness in the field: a reanalysis of the UK's Food & Environment Research Agency 2012 experiment
Goulson et al.	2015	Bee declines driven by combined stress from parasites, pesticides, and lack of flowers
Hembach et al.	2015	Dust drift during sowing of pesticides treated seeds – immission in adjacent areas and effects on honey bees
Henry et al.	2015	Reconciling laboratory and field assessments of neonicotinoid toxicity to honeybees
Hladik & Kolpin	2015	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA
Hladik et al.	2015	Exposure of native bees foraging in an agricultural landscape to current-use pesticides
Jin et al.	2015	The neonicotinoid clothianidin interferes with navigation of the solitary bee <i>Osmia cornuta</i> in a laboratory test
Karahan et al.	2015	Sublethal imidacloprid effects on honey bee flower choices when foraging
Kessler et al.	2015	Bees prefer foods containing neonicotinoid pesticides
Kleinman and Suryanarayanan	2015	Ignorance and Industry: Aerial chemicals and honey bee deaths
Krischik et al.	2015	Soil-Applied Imidacloprid Translocates to Ornamental Flowers and Reduces Survival of Adult <i>Coleomegilla maculata</i>, <i>Harmonia axyridis</i>, and <i>Hippodamia convergens</i> Lady Beetles, and Larval <i>Danaus plexippus</i> and <i>Vanessa cardui</i> Butterflies
Krupke & Long	2015	Intersections between neonicotinoid seed treatments and honey bees
League of Women Voters, Minnesota	2015	The Impact of Neonicotinoids on Honey Bees Briefing Paper – November 2015
Li et al.	2015	Neonicotinoid insecticide interact with honeybee 1 odorant-binding protein: implication for olfactory dysfunction
Limay-Rios et al.	2015	Neonicotinoid Insecticide Residues in Soil Dust and Associated Parent Soil in Fields with a History of Seed Treatment Use on Crops in Southwestern Ontario
Lu et al.	2015	Quantum Yields for Direct Photolysis of Neonicotinoid Insecticides in Water: Implications for Exposure to Nontarget Aquatic Organisms
Lu et al.	2015	Distributions of neonicotinoid insecticides in the Commonwealth of Massachusetts: a temporal and spatial variation analysis for pollen and honey samples
Lundin et al.	2015	Neonicotinoid Insecticides and Their Impacts on Bees: A Systematic Review of Research Approaches and Identification of Knowledge Gaps
Main et al.	2015	Ecological and landscape drivers of neonicotinoid insecticide detections and concentrations in Canada's Prairie wetlands
Moffat et al.	2015	Chronic exposure to neonicotinoids increases neuronal vulnerability to mitochondrial dysfunction in the bumblebee (<i>Bombus terrestris</i>)
Morrissey et al.	2015	Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: A review
Moscardini et al.	2015	Sublethal effects of insecticide seed treatments on two nearctic lady beetles (Coleoptera: Coccinellidae)
Nahar & Ohtani	2015	Imidacloprid and Fipronil induced abnormal behavior and disturbed homing of forager honey bees <i>Apis mellifera</i>
Park et al.	2015	Negative effects of pesticides on wild bee communities can be buffered by landscape context
Pathiratne and Kroon	2015	USING SPECIES SENSITIVITY DISTRIBUTION APPROACH TO ASSESS THE RISKS OF COMMONLY DETECTED AGRICULTURAL PESTICIDES TO AUSTRALIA'S TROPICAL FRESHWATER ECOSYSTEMS
Pecenka & Lundren	2015	Non-target effects of clothianidin on monarch butterflies
Pecenka et al.	2015	Non-target effects of clothianidin on monarch butterflies
Pistorius et al.	2015	Application of predefined doses of neonicotinoid containing dusts in field trials and acute effects on honey bees
Poquet et al.	2015	Wings as a new route of exposure to pesticides in the honey bee
Raine et al.	2015	Tasteless pesticides affect bees in the field
Reetz et al.	2015	Uptake of Neonicotinoid Insecticides by Water-Foraging Honey Bees (Hymenoptera: Apidae) Through Guttation Fluid of Winter Oilseed Rape
Rinkivich et al.	2015	Genetics, Synergists, and Age Affect Insecticide Sensitivity of the Honey Bee, <i>Apis mellifera</i>
Rundlof et al.	2015	Seed coating with a neonicotinoid insecticide negatively affects wild bees
Samson-Robert et al.	2015	Increased Acetylcholinesterase Expression in Bumble Bees During Neonicotinoid-Coated Corn Sowing
Sánchez-Bayo and Desneux	2015	Neonicotinoids and the prevalence of parasites and disease in bees
Sanchez-Hernandez et al.	2015	Residues of neonicotinoids and their metabolites in honey and pollen from sunflower and maize seed dressing crops
Santos et al.	2015	Imidacloprid-mediated effects on survival and fertility of the Neotropical brown stink bug <i>Euschistus heros</i>
Schaafsma et al.	2015	Neonicotinoid Insecticide Residues in Surface Water and Soil Associated with Commercial Maize (Corn) Fields in Southwestern Ontario
Sen et al.	2015	Molecular Signatures of Neonicotinoid-Pathogen Synergy in the Termite Gut
Slowinska et al.	2015	Total antioxidant capacity of honeybee haemolymph in relation to age and exposure to pesticide, and comparison to antioxidant capacity of seminal plasma
Smith et al.	2015	Effects of decreases of animal pollinators on human nutrition and global health: a modelling analysis
Soares et al.	2015	Toxicity of Imidacloprid to the Stingless Bee <i>Scaptotrigona postica</i> Latreille, 1807 (Hymenoptera: Apidae)
Stanley et al.	2015	Neonicotinoid pesticide exposure impairs crop pollination services provided by bumblebees
Stehle & Schulz	2015	Pesticide authorization in the EU—environment unprotected?
Stehle & Schulz	2015	Agricultural insecticides threaten surface waters at the global scale
Tamis et al.	2015	Analysis of imidacloprid in Dutch surface water
Tan et al.	2015	A neonicotinoid impairs olfactory learning in Asian honey bees (<i>Apis cerana</i>) exposed as larvae or as adults
Tavares et al.	2015	In vitro effects of thiamethoxam on larvae of Africanized honey bee <i>Apis mellifera</i> (Hymenoptera: Apidae)
Telo et al.	2015	Residues of Thiamethoxam and Chlorantraniliprole in Rice Grain
Thany et al.	2015	Similar Comparative Low and High Doses of Deltamethrin and Acetamiprid Differently Impair the Retrieval of the Proboscis Extension Reflex in the Forager Honey Bee (<i>Apis mellifera</i>)
Thany et al.	2015	Pre-treatment of <i>Stegomyia aegypti</i> mosquitoes with sublethal dose of imidacloprid impairs behavioural avoidance induced by lemon oil and DEET
Thompson	2015	Extrapolation of acute toxicity across bee species
Thompson et al.	2015	Monitoring the effects of thiamethoxam applied as a seed treatment to winter oilseed rape on the development of bumblebee (<i>Bombus terrestris</i>) colonies
Tufi et al.	2015	Metabolomics to Explore Imidacloprid-Induced Toxicity in the Central Nervous System of the Freshwater Snail <i>Lymnaea stagnalis</i>
Tufi et al.	2015	Metabolomics to explore imidacloprid induced toxicity in the central nervous system of the freshwater snail <i>Lymnaea stagnalis</i>
Ugurlu et al.	2015	The Toxicological Effects of Thiamethoxam on <i>Gammarus kischineffensis</i>
van den Brink et al.	2015	Acute and chronic toxicity of neonicotinoids to nymphs of a mayfly species and some notes on seasonal differences
van der Zee et al.	2015	An Observational Study of Honey Bee Colony Winter Losses and Their Association with Varroa destructor, Neonicotinoids and Other Risk Factors
Wang et al.	2015	Sublethal Effect of Imidacloprid on <i>Solenopsis invicta</i> (Hymenoptera: Formicidae) Feeding, Digging, and Foraging Behavior
Weston et al.	2015	Stormwater-related transport of the insecticides bifenthrin, fipronil, imidacloprid, and chlorpyrifos into a tidal wetland, San Francisco Bay, California
Whitehorn et al.	2015	Sex allocation theory reveals a hidden cost of neonicotinoid exposure in a parasitoid wasp
Williams et al.	2015	Neonicotinoid pesticides severely affect honey bee queens
Wright et al.	2015	Low doses of neonicotinoid pesticides in food rewards impair short-term olfactory memory in foraging-age honeybees
Wu et al.	2015	Programmed Cell Death in the Honey Bee (<i>Apis mellifera</i>) (Hymenoptera: Apidae) Worker Brain Induced by Imidacloprid
Yao et al.	2015	Lethal and sublethal effects of thiamethoxam on the whitefly predator <i>Serangium japonicum</i> (Coleoptera: Coccinellidae) through different exposure routes
Yu et al.	2015	Individual and Joint Acute Toxicities of Selected Insecticides Against <i>Bombyx mori</i> (Lepidoptera: Bombycidae)
Zaluski et al.	2015	Fipronil promotes motor and behavioral changes in honey bees (<i>Apis mellifera</i>) and affects the development of colonies exposed to sublethal doses
Zhang et al.	2015	Effects of imidacloprid and clothianidin seed treatments on wheat aphids and their natural enemies on winter wheat
Zhu et al.	2015	Spray Toxicity and Risk Potential of 42 Commonly Used Formulations of Row Crop Pesticides to Adult Honey Bees (Hymenoptera: Apidae)
Arena & Sgolastra	2014	A meta-analysis comparing the sensitivity of bees to pesticides
Artat et al.	2014	Effect of imidacloprid on hepatotoxicity and nephrotoxicity in male albino mice
Aufauvre et al.	2014	Transcriptome Analyses of the Honeybee Response to <i>Nosema ceranae</i> and Insecticides
Beers & Schmidt	2014	Impacts of orchard pesticides on <i>Galeandromus occidentalis</i>: Lethal and sublethal effects
Bhaskar & Mohanty	2014	Pesticides in mixture disrupt metabolic regulation: In silico and in vivo analysis of cumulative toxicity of mancozeb and imidacloprid on body weight of mice
Bijleveld van Lexmond et al.	2014	Worldwide integrated assessment on systemic pesticides
Blatzheim et al.	2014	The Neonicotinoid Pesticide Thiamethoxam Affects Motor Responses and Foraging Behavior of Honey Bees

Bredeson et al.	2014	The effects of insecticide dose and herbivore density on tri-trophic effects of thiamethoxam in a system involving wheat, aphids, and ladybeetles
Budd et al.	2014	Monitoring efforts of an emergent insecticide fipronil in California surface waters
Catae et al.	2014	Cytotoxic Effects of Thiamethoxam in the Midgut and Malpighian Tubules of Africanized Apis mellifera (Hymenoptera: Apidae)
Chagnon et al.	2014	Risks of large-scale use of systemic insecticides to ecosystem functioning and services
Charpentier et al.	2014	Lethal and sublethal effects of imidacloprid, after chronic exposure, on the insect model Drosophila melanogaster
Chen & Mullin	2014	Determination of nonylphenol ethoxylate and octylphenol ethoxylate surfactants in beehive samples by high performance liquid chromatography coupled to mass spectrometry
Chen et al.	2014	Quantitative analysis of neonicotinoid insecticide residues in foods: implication for dietary exposure
Clavet et al.	2014	Clothianidin and Imidacloprid Residues in Poa annua (Poales: Poaceae) and Their Effects on Listronotus maculicollis (Coleoptera: Curculionidae)
Cycon & Piotrowska-Seget	2014	Biochemical and microbial soil functioning after application of the insecticide imidacloprid
Danner et al.	2014	Maize pollen foraging by honey bees in relation to crop area and landscape context
Delso et al.	2014	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites
Devan et al.	2014	Immunotoxicity assessment of sub-chronic oral administration of acetamiprid in Wistar rats
Doublet et al.	2014	Bees under stress: sublethal doses of a neonicotinoid pesticide and pathogens interact to elevate honey bee mortality across the life cycle
Douglas et al.	2014	Neonicotinoid insecticide travels through a soil food chain, disrupting biological control of non-target pests and decreasing soybean yield
Fairbrother et al.	2014	Risks of Neonicotinoid Insecticides to Honeybees
Feltham et al.	2014	Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency
Fischer et al.	2014	Neonicotinoids Interfere with Specific Components of Navigation in Honeybees
Freeborn et al.	2014	Use of electroencephalography (EEG) to assess CNS changes produced by 2 pesticides with different modes of action: Effects of permethrin, 3 deltamethrin, fipronil, imidacloprid, carbaryl, and triadimefon
Furlan & Kreuzweiser	2014	Alternatives to neonicotinoid insecticides for pest control: case studies in agriculture and forestry
Garbuzov et al.	2014	Honey bee dance decoding and pollen-load analysis show limited foraging on spring-flowering oilseed rape, a potential source of neonicotinoid contamination
Gaspar et al.	2014	Soybean Seed Yield Response to Multiple Seed Treatment Components across Diverse Environments
Gibbons et al.	2014	A review of the direct and indirect effects of neonicotinoids and fipronil on vertebrate wildlife
Gill & Raine	2014	Chronic impairment of bumblebee natural foraging behaviour induced by sublethal pesticide exposure
Godfray et al.	2014	A restatement of the natural science evidence base concerning neonicotinoid insecticides and insect pollinators
Gontijo et al.	2014	Non-target effects of two sunflower seed treatments on Orius insidiosus (Hemiptera:Anthracoridae)
Gontijo et al.	2014	Non-target effects of chlorantraniliprole and thiamethoxam on Chrysoperla carnea when employed as sunflower seed treatments
Goulson	2014	Pesticides linked to bird declines
Grandjean & Landrigan	2014	Neurobehavioural effects of developmental toxicity
Hallmann et al.	2014	Declines in insectivorous birds are associated with high neonicotinoid concentrations
Henry et al.	2014	Pesticide risk assessment in free-ranging bees is weather and landscape dependent
Hladik et al.	2014	Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA
Huseth & Groves	2014	Environmental Fate of Soil Applied Neonicotinoid Insecticides in an Irrigated Potato Agroecosystem
Huseth et al.	2014	Variable concentration of soil-applied insecticides in potato over time: implications for management of Leptinotarsa decemlineata
Johnson & Pettis	2014	A Survey of Imidacloprid Levels in Water Sources Potentially Frequented by Honeybees (Apis mellifera) in the Eastern USA
Jones et al.	2014	Neonicotinoid Concentrations in Arable Soils After Seed Treatment Applications in Preceding Years
Kasiotis et al.	2014	Pesticide residues in honeybees, honey and bee pollen by LC-MS/MS screening: Reported death incidents in honeybees
Keil et al.	2014	Autism spectrum disorder, flea and tick medication, and adjustments for exposure misclassification: the CHARGE (Childhood Autism Risks from Genetics and Environment) case-control study
Kimura et al.	2014	Examination of mass honey bee death at the entrance to hives in a paddy rice production district in Japan: the influence of insecticides sprayed on nearby rice fields
Koureas et al.	2014	Increased levels of oxidative DNA damage in pesticide sprayers in Thessaly Region (Greece). Implications of pesticide exposure
Kumar et al.	2014	Determination of Mutagenic Potential of Imidacloprid in Salmonella Typhimurium- TA 98 and TA 100 Following Bacterial Reverse Mutation Assay
Kumar et al.	2014	Effect of sublethal doses of imidacloprid on histological and biochemical parameters in female albino mice
Kumiko Taira	2014	Human neonicotinoids exposure in Japan
Laramendy et al.	2014	Genotoxicity and Cytotoxicity Exerted by pesticides in Different Biotic Matrices-An Overview of More Than a Decade of Experimental Evaluation
Larson et al.	2014	Impacts of a neonicotinoid, neonicotinoid-pyrethroid premix, and anthranilic diamide insecticide on four species of turf-inhabiting beneficial insects
Larson et al.	2014	Mowing mitigates bioactivity of neonicotinoid insecticides in nectar of flowering lawn weeds and turfgrass putation
Li et al.	2014	Acute and sublethal effects of neonicotinoids and pymetrozine on an important egg parasitoid, Trichogramma ostrinae (Hymenoptera: Trichogrammatidae)
Lonare et al.	2014	Evaluation of imidacloprid-induced neurotoxicity in male rats: A protective effect of curcumin
Lopez-Anita et al.	2014	Imidacloprid-treated seed in gestation has lethal effect on adult partridges and reduces both breeding investment and off spring immunity
Lu et al.	2014	Sub-lethal exposure to neonicotinoids impaired honey bees winterization before proceeding to colony collapse disorder
Main et al.	2014	Widespread Use and Frequent Detection of Neonicotinoid Insecticides in Wetlands of Canada's Prairie Prothole Region
Mansoor et al.	2014	Post-exposure temperature influence on the toxicity of conventional and new chemistry insecticides to green lacewing Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae)
Martinou et al.	2014	Lethal and behavioral effects of pesticides on the insect predator Macrolophus pygmaeus
McCarville et al.	2014	One Gene Versus Two: A Regional Study on the Efficacy of Single Gene Versus Pyramided Resistance for Soybean Aphid Management
Memon et al.	2014	Histopathological Changes in the Gonads of Male Rabbits (Oryctolagus Cuniculus) on exposure to imidacloprid insecticide
Mesnage et al.	2014	Major Pesticides Are More Toxic to Human Cells Than Their Declared Active Principles
Mondal et al.	2014	Toxicopathological changes on Wistar rat after multiple exposures to acetamiprid
Mullin et al.	2014	The formulation makes the honey bee poison
Myers & Hill	2014	Benefits of Neonicotinoid Seed Treatments to Soybean Production (EPA Memo)
Nazzi et al.	2014	Honeybee immunity and colony losses
Nicodemo et al.	2014	Fipronil and imidacloprid reduce honeybee mitochondrial activity
Ozdemir et al.	2014	Determination of the effects on learning and memory performance and related gene expressions of clothianidin in rat models
Pandey & Mohanty	2014	The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitary-thyroid axis of a wildlife bird
Pavlaki et al.	2014	Changes of chemical chronic toxicity to Daphnia magna under different food regimes
Pisa et al.	2014	Effects of neonicotinoids and fipronil on non-target invertebrates
Rabhi et al.	2014	Unexpected Effects of Low Doses of a Neonicotinoid Insecticide on Behavioral Responses to Sex Pheromone in a Pest Insect
Rodriguez et al.	2014	Allium cepa and Tradescantia pallida bioassays to evaluate effects of the insecticide imidacloprid
Rondeau et al.	2014	Delayed and time-cumulative toxicity of imidacloprid in bees, ants and termites
Sanchez-Bayo	2014	The trouble with neonicotinoids
Sanchez-Bayo & Goka	2014	Pesticide Residues and Bees – A Risk Assessment
Sandrock et al.	2014	Impact of Chronic Neonicotinoid Exposure on Honeybee Colony Performance and Queen Supersedure
Sauer et al.	2014	Liver 5-Aminolevulinic Dehydratase Activity is Inhibited by Neonicotinoids and Restored by Antioxidant Agents
Schmehl et al.	2014	Genomic analysis of the interaction between pesticide exposure and nutrition in honey bees (Apis mellifera)
Scholer & Krischik	2014	Chronic Exposure of Imidacloprid and Clothianidin Reduce Queen Survival, Foraging, and Nectar Storing in Colonies of Bombus impatiens
Simon-Delso et al.	2014	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites
Smit et al.	2014	Ecotoxicity of Imidacloprid to Aquatic Organisms: Derivation of Water Quality Standards for Peak and Long-term Exposure
Stamm et al.	2014	Transcriptional response of soybean to thiamethoxam seed treatment in the presence and absence of drought stress
Tan et al.	2014	Imidacloprid Alters Foraging and Decreases Bee Avoidance of Predators
Tangtrakulwanich	2014	Developing nominal threshold levels for Phyllotreta cruciferae (Coleoptera: Chrysomelidae) damage on canola in Montana, USA
Tome et al.	2014	Spinosad in the native stingless bee Mellipona quadrifasciata: Regrettable non-target toxicity of a bioinsecticide
Ueyama et al.	2014	Biological Monitoring Method for Urinary Neonicotinoid Insecticides Using LC-MS/MS and Its Application to Japanese Adults
van der Sluijs et al.	2014	Conclusions of the Worldwide Integrated Assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning
Vohra et al.	2014	Physiological, biochemical and histological alterations induced by administration of imidacloprid in female albino rats

Wang et al.	2014	Ternary toxicological interactions of insecticides, herbicides, and heavy metal on the earthworm <i>Eisenia fetida</i>
Whiting et al.	2014	A multi-year field study to evaluate the environmental fate and agronomic effects of insecticide mixtures
Wijnja et al.	2014	Changes in Pesticide Occurrence in Suburban Surface Waters in Massachusetts, USA, 1999–2010
Williamson et al.	2014	Exposure to neonicotinoids influences the motor function of adult worker honeybees
Yu et al.	2014	Impact of imidacloprid on life cycle development of <i>Coccinella septempunctata</i> in laboratory microcosms
Agatz et al.	2013	Imidacloprid perturbs feeding of <i>Gammarus pulex</i> at environmentally-relevant concentrations
Alemanno	2013	The Science, Law, and Policy of Neonicotinoids and Bees
Alexander & Culp	2013	Predicting the Effects of Insecticide Mixtures on Non-Target Aquatic Communities
Amasekare & Shearer	2013	Comparing Effects of Insecticides on Two Green Lacewings Species, <i>Chrysoperla johnsoni</i> and <i>Chrysoperla carnea</i>
Badgajar et al.	2013	Immunotoxic effects of imidacloprid following 28 days of oral exposure in BALB/c mice
Barbieri et al.	2013	A neurotoxic pesticide changes the outcome of aggressive interactions between native and invasive ants
Becher et al.	2013	Towards a systems approach for understanding honeybee decline: a stocktaking and synthesis of existing models
Bednarska et al.	2013	A toxicokinetic model for thiamethoxam in rats: implications for higher-tier risk assessment
Beketov et al.	2013	Pesticides reduce regional biodiversity of stream invertebrates
Belzunces et al.	2013	Laboratory approach to study toxic-pathological interactions in the honey bee <i>Apis mellifera</i>
Bottger et al.	2013	Effects of low-dosed imidacloprid pulses on the functional role of the caged amphipod <i>Gammarus roeselii</i> in stream mesocosms
Bryden et al.	2013	Chronic sublethal stress causes bee colony failure
Burkle et al.	2013	Plant-Pollinator Interactions over 120 Years: Loss of Species, Co-Occurrence and Function
Byrne et al.	2013	Determination of exposure levels of honey bees foraging on flowers of mature citrus trees previously treated with imidacloprid
Carrillo et al.	2013	Influence of agrochemicals fipronil and imidacloprid on the learning behavior of <i>Apis mellifera</i> honeybees
Casida & Durkin	2013	Neuroactive Insecticides: Targets, Selectivity, Resistance, and Secondary Effects
Castle et al.	2013	Comparative Susceptibility of <i>Bemisia tabaci</i> to Imidacloprid in Field- and Laboratory-Based Bioassays
Chauhan et al.	2013	Sorption - desorption of imidacloprid insecticide in Indian soils of five different locations
Chen et al.	2013	Comparative and combined acute toxicity of butachlor, imidacloprid and chlorpyrifos on earthworm, <i>Eisenia fetida</i>
Costa et al.	2013	Toxicity of insecticides used in the Brazilian melon crop to the honey bee <i>Apis mellifera</i> under laboratory conditions
Cresswell et al.	2013	Clearance of ingested neonicotinoid pesticide (imidacloprid) in honey bees (<i>Apis mellifera</i>) and bumble bees (<i>Bombus terrestris</i>)
Cutler et al.	2013	Honey bees, neonicotinoids, and bee incident reports: the Canadian situation
Daam et al.	2013	Preliminary aquatic risk assessment of imidacloprid after application in an experimental rice plot
Derecka et al.	2013	Transient exposure to low levels of insecticide affects metabolic networks of honey bee larvae
Di Prisco et al.	2013	Neonicotinoid clothianidin adversely affects insect immunity and promotes replication of a viral pathogen in honey bees
Ding et al.	2013	Characteristics and Essences upon Conjugation of Imidacloprid with Two Model Proteins
Easton & Goulson	2013	The Neonicotinoid Insecticide Imidacloprid Repels Pollinating Flies and Beetles at Field-Realistic Concentrations
Elston et al.	2013	Sub-lethal effects of thiamethoxam, a neonicotinoid pesticide, and propiconazole, a DMI fungicide, on colony initiation in bumblebee micro-colonies
Fausser-Misslin et al.	2013	Influence of combined pesticide and parasite exposure on bumblebee colony traits in the laboratory
Fogel et al.	2013	Impact of the neonicotinoid acetamiprid on immature stages of the predator <i>Eriopis connexa</i>
Gawade et al.	2013	A detailed study of developmental immunotoxicity of imidacloprid in Wistar rats
Giroud et al.	2013	Trace level determination of pyrethroid and neonicotinoid insecticides in bee bread using acetonitrile-based extraction followed by analysis with ultra-high-performance liquid chromatography-tandem mass spectrometry
Goulson	2013	An overview of the environmental risks posed by neonicotinoid insecticides
Greenop et al.	2013	Exposure to pesticides and the risk of childhood brain tumors
Gross	2013	EU ban puts spotlight on complex effects of neonicotinoids
Gu et al.	2013	Reproductive Effects of Two Neonicotinoid Insecticides on Mouse Sperm Function and Early Embryonic Development In Vitro
Guillén & Bielza	2013	Thiamethoxam acts as a target-site synergist of spinosad in resistant strains of <i>Frankliniella occidentalis</i>
Hajjina et al.	2013	Sublethal doses of imidacloprid decreased size of hypopharyngeal glands and respiratory rhythm of honeybees in vivo
Henry	2013	Assessing homing failure in honey bees exposed to pesticides: Guez's (2013) criticism illustrates pitfalls and challenges
Huseth	2013	Colonization Patterns and Diapause Ecology of Colorado Potato Beetle, Interaction with Neonicotinoid Pesticide
Ieromina et al.	2013	Impact of imidacloprid on <i>Daphnia magna</i> under different food quality regimes
Ince et al.	2013	The role of thymoquinone as antioxidant protection on oxidative stress induced by imidacloprid in male and female Swiss albino mice
Jingjuli et al. 2013	2013	Effect of imidacloprid and fipronil pesticide application on <i>Sympetrum infuscatum</i> larvae and adults
Jovanov et al.	2013	Development of multiresidue DLME and QuEChERS based LC-MS/MS method for determination of selected neonicotinoid insecticides in honey liqueur
Kauer Toor et al.	2013	Imidacloprid induced histological and biochemical alterations in liver of female albino rats
Kim et al.	2013	Imidacloprid, a neonicotinoid insecticide, induces insulin resistance
Larson et al.	2013	Assessing Insecticide Hazard to Bumble Bees Foraging on Flowering Weeds in Treated Lawns
Laycock et al.	2013	Effects of the neonicotinoid pesticide thiamethoxam at field-realistic levels on microcolonies of <i>Bombus terrestris</i> worker bumble bees
Lin et al.	2013	Acute Poisoning with Neonicotinoid Insecticides: A Case Report and Literature Review
Lundgren & Duan	2013	RNAi-Based Insecticidal Crops: Potential Effects on Nontarget Species
Malaquís et al.	2013	Imidacloprid affects the functional response of predator <i>Podisus nigripennis</i> (Dallas) (Heteroptera: Pentatomidae) to strains of <i>Spodoptera frugiperda</i> (J.E. Smith) on Bt cotton
Malik et al.	2013	Cytogenic effects of the insecticides: imidacloprid and lambda cyhalothrin in mice
Mao et al.	2013	Honey constituents up-regulate detoxification and immunity genes in the western honey bee <i>Apis mellifera</i>
Marzaro	2013	Corn Seed Coated with Neonicotinoids: Environmental Contamination and Bee Losses in Spring
Matsumoto	2013	Reduction in homing flights in the honey bee <i>Apis mellifera</i> after a sublethal dose of neonicotinoid insecticides
Maxim & Arnold	2013	Pesticides and Bees
Maxim & van der Sluijs	2013	16 Seed-dressing systemic insecticides and honeybees
Miao et al.	2013	Sublethal Effects of Four Neonicotinoid Seed Treatments on the Demography and Feeding Behavior of the Wheat Aphid, <i>Sitobion avenae</i>
Mineau & Palmer	2013	The Impact of the Nation's Most Widely Used Insecticides on Birds
Mineau & Whiteside	2013	Pesticide Acute Toxicity Is A Better Correlate of US Grassland Bird Declines than Agricultural Intensification
Mole et al.	2013	Neonicotinoid Restrictions Present a Unique Opportunity to Introduce Safer Agro-Ecological Approaches to Pest Management
Nomura et al.	2013	Quantitation of neonicotinoid insecticides in human urine using GC-MS
Palmer et al.	2013	Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees
Papchenkova & Makrushin	2013	Effect of the Insecticide Tanrec® on Reproduction and Vital Activity of <i>Daphnia magna</i> Straus in a 15 day Test
Park et al.	2013	Imidacloprid, a neonicotinoid insecticide, potentiates adipogenesis in 3T3-L1 adipocytes
Pelosi et al.	2013	Pesticides and earthworms. A review
Pettis et al.	2013	Crop pollination exposes honey bees to pesticides which alters their susceptibility to the gut pathogen <i>Nosema ceranae</i>
Pezzoli & Cereda	2013	Exposure to pesticides or solvents and risk of Parkinson disease
Prasanna & Vardhani	2013	Effect of Imidacloprid on the Biochemical Contents of Kidneys in Male Swiss Albino Mice
Radwan & Mohamed	2013	Imidacloprid induced alterations in enzyme activities and energy reserves of the land snail, <i>Helix aspersa</i>
Rahmani & Bandani	2013	Sublethal concentrations of thiamethoxam adversely affect life table parameters of the aphid predator, <i>Hippodamia variegata</i>
Rahmani et al.	2013	Effects of thiamethoxam in sublethal concentrations, on life expectancy and some other biological characteristics of <i>Hippodamia variegata</i>
Roessink et al.	2013	The Neonicotinoid Imidacloprid Shows High Chronic Toxicity to Mayfly Nymphs
Rossi et al.	2013	Brain Morphophysiology of Africanized Bee <i>Apis mellifera</i> Exposed to Sublethal Doses of Imidacloprid
Sanchez-Bayo & Hyne	2013	Detection and analysis of neonicotinoids in river waters – Development of a passive sampler for three commonly used insecticides
Sanchez-Bayo et al.	2013	Impact of Systemic Insecticides on Organisms and Ecosystems
Sandrock et al.	2013	Sublethal neonicotinoid insecticide exposure reduces solitary bee reproductive success

Shahzadi et al.	2013	Identification of pesticides residues in different samples of milk
Shao et al.	2013	Insect nicotinic receptor interactions in vivo with neonicotinoid, organophosphorous, and methy/carbamate insecticides and a synergist
Smaghe et al.	2013	Dietary chlorantraniliprole suppresses reproduction in worker bumblebees
Smith et al.	2013	Effects of Aldicarb and Neonicotinoid Seed Treatments on Twospotted Spider Mite on Cotton
Soujanya	2013	Biochemical, haematology changes by imidacloprid
Stevens & Jenkins	2013	Pesticide impacts on bumblebee declines: A missing piece
Stokstad	2013	Pesticides Under Fire For Risks to Pollinators (Science Magazine News Article)
Stoner & Eitzer	2013	Using a hazard quotient to evaluate pesticide residues detected in pollen trapped from honey bees (Apis mellifera) in Connecticut
Suryanarayanan	2013	Balancing control and complexity in field studies of neonicotinoids and honey bee health
Swenson & Casida	2013	Aldehyde Oxidase Importance In Vivo in Xenobiotic Metabolism: Imidacloprid Nitroreduction in Mice
Szcepaniec et al.	2013	Neonicotinoid Insecticides Alter Induced Defenses and Increase Susceptibility to Spider Mites in Distantly Related Crop Plants
Taira et al.	2013	Qualitative Profiling and Quantification of Neonicotinoid Metabolites in Human Urine by Liquid Chromatography Coupled with Mass Spectrometry
Tennekes & Sanchez-Bayo	2013	The molecular basis of simple relationships between exposure concentration and toxic effects with time
Tokumoto et al.	2013	Effects of Exposure to Clothianidin on the Reproductive System of Male Quails
Usaj et al.	2013	Determination of toxicity of neonicotinoids on the genome level using chemogenomics in yeast
van der Sluijs et al.	2013	Neonicotinoids, bee disorders and the sustainability of pollinator services
van Dijk et al.	2013	Macro-Invertebrate Decline in Surface Waters Polluted with Imidacloprid
Vanbergen	2013	Threats to an ecosystem service: pressures on pollinators
Williamson & Wright	2013	Exposure to multiple cholinergic pesticides impairs olfactory learning and memory in honeybees
Yanez et al.	2013	Determination of seven neonicotinoid insecticides in beeswax by liquid chromatography coupled to electropray-mass spectrometry using a fused-core column
Ahmed & Matsumura	2012	Synergistic Actions of Formamidine Insecticides on the Activity of Pyrethroids and Neonicotinoids Against Aedes aegypti
Al-Sharqi et al.	2012	Histological Changes Induced By The Action of Actara 25 WG Insecticides in Mice
Aufauvre et al.	2012	Parasite-insecticide interactions: a case study of Nosema ceranae and fipronil synergy on honeybee
Badiou-Beneteau et al.	2012	Development of biomarkers of exposure to xenobiotics in the honey bee Apis mellifera: Application to the systemic insecticide thiamethoxam
Bal et al.	2012	Insecticide imidacloprid induces morphological and DNA damage through oxidative toxicity on the reproductive organs of developing male rats
Bal et al.	2012	Effects of clothianidin exposure on sperm quality, testicular apoptosis and fatty acid composition in developing male rats
Bal et al.	2012	Assessment of imidacloprid toxicity on reproductive organ system of adult male rats
Barmaz et al.	2012	Exposure of pollinators to plant protection products
Belzunces et al.	2012	Neural effects of insecticides in the honey bee
Blacquiere et al.	2012	Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment
Blacquiere et al.	2012	Erratum to: Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment
Breeze et al.	2012	The Decline of England's Bees: Policy Review and Recommendations
Brooks et al.	2012	Large carabid beetle declines in a United Kingdom monitoring network increases evidence for a widespread loss in insect biodiversity
Calderon-Segura et al.	2012	Evaluation of Genotoxic and Cytotoxic Effects in Human Peripheral Blood Lymphocytes Exposed In Vitro to Neonicotinoid Pesticides News
Cavas et al.	2012	In Vitro Genotoxicity Evaluation of Acetamiprid in CaCo2 Cells Using the Micronucleus, Comet and Gamma-H2AX Foci Assays
Darriet & Chandre	2012	Efficacy of six neonicotinoid insecticides alone and in combination with deltamethrin and piperonyl butoxide against pyrethroid-resistant Aedes aegypti and Anopheles gambiae (Diptera: Chucilidae)
DeLorenzo et al.	2012	A long-term monitoring study of chlorophyll, microbial contaminants, and pesticides in a coastal residential stormwater pond and its adjacent tidal creek
Dively & Kamel	2012	Insecticide Residues in Pollen and Nectar of a Cucurbit Crop and Their Potential Exposure to Pollinators
Eiri & Nieh	2012	A nicotinic acetylcholine receptor agonist affects honey bee sucrose responsiveness and decreases waggle dancing
Esker & Conley	2012	Probability of Yield Response and Breaking Even for Soybean Seed Treatments
Farooqui	2012	A potential link between biogenic amines-based pesticides, learning and memory, and colony collapse disorder: A unique hypothesis
Gill et al.	2012	Combined pesticide exposure severely affects individual- and colony-level traits in bees
Harman	2012	Catch The Buzz-Corn Seed Pesticide Kills Bees
Hayasaka et al.	2012	Differences in susceptibility of five cladoceran species to two systemic insecticides, imidacloprid and fipronil
He et al.	2012	Lethal effect of imidacloprid on the coccinellid predator Serangium japonicum and sublethal effects on predator voracity and on functional response to the whitefly Bemisia tabaci
Henry et al.	2012	Response to Comment on "A Common Pesticide Decreases Foraging Success and Survival in Honey Bees"
Henry et al.	2012	A Common Pesticide Decreases Foraging Success and Survival in Honey Bees
Hoffman & Castle	2012	Imidacloprid in Melon Guttation Fluid: A Potential Mode of Exposure for Pest and Beneficial Organisms
Huseth & Groves	2012	Environmental fate of neonicotinoids: a potato case study
James & Xu	2012	Mechanisms by which pesticides affect insect immunity
Joachimsmeyer et al.	2012	Guttation and risk for honey bee colonies: Use of guttation drops by honey bees after migration of colonies - a field study
Kimura-Kuroda et al.	2012	Nicotine-like Effects of the Neonicotinoid Insecticides Acetamiprid and Imidacloprid on Cerebellar Neurons from Neonatal Rats
Kocaman et al.	2012	In Vitro Investigation of the Genotoxic and Cytotoxic Effects of Thiocloprid in Cultured Human Peripheral Blood Lymphocytes
Krupke et al.	2012	Multiple Routes of Exposure for Honey Bees Living Near Agricultural Fields
Laycock et al.	2012	Effects of imidacloprid, a neonicotinoid pesticide, on reproduction in worker bumble bees (Bombus terrestris)
Laycock et al.	2012	Erratum to: Effects of imidacloprid, a neonicotinoid pesticide, on reproduction in worker bumble bees (Bombus terrestris)
Lu et al.	2012	Design, Synthesis, and Particular Biological Behaviors of Chain-Opening Nitromethylene Neonicotinoids with Cis Configuration
Maley et al.	2012	Comparative toxicity of imidacloprid and its transformation product 6-chloronicotinic acid to non-target aquatic organisms: Microalgae Desmodesmus subspicatus and amphipod Gammarus fossarum
Mondal et al.	2012	Studies on the electrolytes and microelements in Wistar rat following multiple exposures to acetamiprid
Oliveira et al.	2012	Side-Effects of Thiamethoxam on the Brain and Midgut of the Africanized Honeybee Apis mellifera
Osborne	2012	Ecology, Bumblebees and pesticides
Osterberg et al.	2012	Acute toxicity and sub-lethal effects of common pesticides in post-larval and juvenile blue crabs, Callinectes sapidus
Perry et al.	2012	Effects of mutations in Drosophila nicotinic acetylcholine receptor subunits on sensitivity to insecticides targeting nicotinic acetylcholine receptors
Pettis et al.	2012	Pesticide exposure in honey bees results in increased levels of the gut pathogen Nosema
Pochi et al.	2012	Potential Exposure of Bees, Apis mellifera L., to Particulate Matter and Pesticides Derived from Seed Dressing During Maize Sowing
Pohorecka et al.	2012	Residues of Neonicotinoid Insecticides in Bee Collected Plant Materials from Oilseed Rape Crops and Their Effect on Bee Colonies
Reisig et al.	2012	Impact of Neonicotinoid Seed Treatments on Thrips (Thysanoptera: Thripidae) and Soybean Yield in Virginia and North Carolina
Seagraves & Lundgren	2012	Effects of neonicotinoid seed treatments on soybean aphid and its natural enemies
Sgolastra et al.	2012	Effects of neonicotinoid dust from maize seed-dressing on honey bees
Shelton et al.	2012	Tipping the Balance of Autism Risk: Potential Mechanisms Linking Pesticides and Autism
Singh et al.	2012	Induced Acetamiprid Toxicity in Mice: A Review
Singh et al.	2012	Acetamiprid Induces Toxicity in Mice under Experimental Conditions with Prominent Effect on the Hematobiochemical Parameters
Sparks et al.	2012	Differential metabolism of sulfoximine and neonicotinoid insecticides by Drosophila melanogaster monooxygenase CYP6G1
Stamer & Goh	2012	Detections of the Neonicotinoid Insecticide Imidacloprid in Surface Waters of Three Agricultural Regions of California, USA, 2010-2011
Stokstad	2012	Field Research on Bees Raises Concern About Low-Dose Pesticides (Science Magazine News Article)
Stoner & Eitzer	2012	Movement of Soil-Applied Imidacloprid and Thiamethoxam into Nectar and Pollen of Squash (Cucurbita pepo)
Swenson & Casida	2012	Neonicotinoid formaldehyde generators: possible mechanism of mouse-specific hepatocytotoxicity/hepatocarcinogenicity of thiamethoxam
Tanaka	2012	Effects of maternal clothianidin exposure on behavioral development in F1 generation mice
Tanaka	2012	Reproductive and Neurobehavioral Effects of Clothianidin Administered to Mice in the Diet
Taniguchi et al.	2012	Honeybee Colony Losses during 2008-2010 Caused by Pesticide Application in Japan
Taniguchi et al.	2012	Honeybee Colony Losses during 2008-2010 Caused by Pesticide Application in Japan
Tapparo et al.	2012	Assessment of the Environmental Exposure of Honeybees to Particulate Matter Containing Neonicotinoid Insecticides Coming from Corn Coated Seeds

Tapparo et al.	2012	UHPLC-DAD method for the determination of neonicotinoid insecticides in single bees and its relevance in honeybee colony loss investigations
Wang et al.	2012	Comparative acute toxicity of twenty-four insecticides to earthworm, <i>Eisenia fetida</i>
Wang et al.	2012	Acetamiprid Residues in Male Mice and Its Effect on Liver Function
Whitehorn et al.	2012	Neonicotinoid Pesticide Reduces Bumble Bee Colony Growth and Queen Production
Wu et al.	2012	Honey bees (<i>Apis mellifera</i>) reared in brood combs containing high levels of pesticide residues exhibit increased susceptibility to <i>Nosema</i> (Microsporidia) infection
Yamada et al.	2012	Influence of dinotefuran and clothianidin on a bee colony
Yang et al.	2012	Impaired Olfactory Associative Behavior of Honeybee Workers Due to Contamination of Imidacloprid in the Larval Stage
APENET	2011	Effects of coated maize seed on honey bees
Aydin	2011	Effects of Thiacloprid, deltamethrin and their combination on oxidative stress in lymphoid organs, polymorphonuclear leukocytes and plasma of rats
Bueno et al.	2011	Effects of integrated pest management, biological control and prophylactic use of insecticides on the management and sustainability of soybean
Cox & Cherney	2011	Location, Variety, and Seeding Rate Interactions with Soybean Seed-Applied Insecticide/Fungicides
Cresswell	2011	A meta-analysis of experiments testing the effects of a neonicotinoid insecticide (imidacloprid) on honey bees
Dittbrener et al.	2011	Assessment of short and long-term effects of imidacloprid on the burrowing behaviour of two earthworm species (<i>Aporrectodea caliginosa</i> and <i>Lumbricus terrestris</i>) by using 2D and 3D post-exposure techniques
Hayakawa et al.	2011	Differences in ecological impacts of systemic insecticides with different physicochemical properties on biocenosis of experimental paddy fields
Hoy et al.	2011	Observations of <i>Brachygnathia Superior</i> in Wild Ruminants in Western Montana, USA
Kapoor et al.	2011	Toxicological impact of technical imidacloprid on ovarian morphology, hormones and antioxidant enzymes in female rats
Laurino et al.	2011	Quantitation of neonicotinoid insecticide residues in experimentally poisoned honey bees
Li et al.	2011	Activation and Modulation of Human $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors by the Neonicotinoids Clothianidin and Imidacloprid
Liess & Bekeov	2011	Traits and stress: keys to identify community effects of low levels of toxicants in test systems
Mohany et al.	2011	Immunological and histological effects of exposure to imidacloprid insecticide in male albino rats
Mommmaerts & Smaghe	2011	Side-Effects of Pesticides on the Pollinator Bombus: An Overview
Oliveira et al.	2011	Desensitization of nicotinic acetylcholine receptors in the central nervous system neurons of the stick insect (<i>Carausius morosus</i>) by imidacloprid and sulfoximine insecticides
Pavlaki et al.	2011	Effects of binary mixtures on the life traits of <i>Daphnia magna</i>
Perry et al.	2011	The biology of insecticidal activity and resistance
Pynenburg et al.	2011	Agronomic and economic assessment of intensive pest management of dry bean (<i>Phaseolus vulgaris</i>)
Reetz et al.	2011	Neonicotinoid insecticides translocated in guttated droplets of seed-treated maize and wheat: a threat to honeybees?
Sabahi et al.	2011	Toxicity of three insecticides to <i>Lysiphlebus fabarum</i>, a parasitoid of the black bean aphid, <i>Aphis fabae</i>
Saber	2011	Acute and population level toxicity of imidacloprid and Fenproximate on an important egg parasitoid, <i>Trichogramma cacaeciae</i>
Sekeroglu et al.	2011	Cytogenetic Effects of Commercial Formulations of Deltamethrin and/or Thiacloprid on Wistar Rat Bone Marrow Cells
Tennekes	2011	The significance of the Drucker-Kupfmuller equation for risk assessment—the toxicity of neonicotinoid insecticides to arthropods is reinforced by exposure time
Tennekes & Sanchez-Bayo	2011	Time-Dependent Toxicity of Neonicotinoids and Other Toxicants: Implications for a New Approach to Risk Assessment
Tinsley et al.	2011	Field-level effects of preventative management tactics on soybean aphids (<i>Aphis glycines</i> Matsumura) and their predators
Vidau et al.	2011	Exposure to Sublethal Doses of Fipronil and Thiacloprid Highly Increases Mortality of Honeybees Previously Infected by <i>Nosema ceranae</i>
Wu et al.	2011	Sub-Lethal Effects of Pesticide Residues in Brood Comb on Worker Honey Bee (<i>Apis mellifera</i>) Development and Longevity
Zhang et al.	2011	Oxidative Stress, Role in Acetamiprid-Induced Impairment of the Male Mice Reproductive System
Zhu et al.	2011	Discovery and Characterization of Sulfoflor, a Novel Insecticide Targeting Sap-Feeding Pests
Ade et al.	2010	Effects of an insecticide and Potential Predators on Green Frogs and Northern Cricket Frogs
Alaux et al.	2010	Interactions between <i>Nosema microspores</i> and a neonicotinoid weaken honeybees (<i>Apis mellifera</i>)
Antary et al.	2010	Toxicity of Certain Insecticides to the Parasitoid <i>Diaeretiella rapae</i> and its Host, the Cabbage Aphid <i>Brevicoryne brassicae</i>
Bacandritsos et al.	2010	Sudden deaths and colony population decline in Greek honey bee colonies
Bai et al.	2010	Assessing the effects of the neonicotinoid insecticide imidacloprid in the cholinergic synapses of the stellate cells of the mouse cochlear nucleus using whole-cell patch-clamp recording
Bernal et al.	2010	Overview of Pesticide Residues in Stored Pollen and Their Potential Effect on Bee Colony (<i>Apis mellifera</i>) Losses in Spain
Bhardwaj et al.	2010	A 90 days oral toxicity of imidacloprid in female rats: Morphological, biochemical and histopathological evaluations
Casida	2010	Neonicotinoid Metabolism: Compounds, Substituents, Pathways, Enzymes, Organisms, and Relevance
Dittbrener et al.	2010	Earthworm cast production as a new behavioural biomarker for toxicity testing
Dondero et al.	2010	Transcriptomic and proteomic effects of a neonicotinoid insecticide mixture in the marine mussel (<i>Mytilus galloprovincialis</i>)
Duzguner & Erdogan	2010	Acute oxidant and inflammatory effects of imidacloprid on the mammalian central nervous system and liver in rats
Harris et al.	2010	National Study of Exposure to Pesticides among Professional Applicators: An Investigation Based on Urinary Biomarkers
Imamura et al.	2010	Two cases of acute poisoning with acetamiprid in humans
Johnson et al.	2010	Pesticides and honey bee toxicity -- USA
Kapoor et al.	2010	Effect of Imidacloprid on antioxidant enzymes and lipid peroxidation in femal rats to derives its No Observed Effect Level (NOEL)
Loureiro et al.	2010	Toxicity of Three Binary Mixtures to <i>Daphnia magna</i>: Comparing Chemical Modes of Action and Deviations from Conceptual Models
Lukancic et al.	2010	Effects of Exposing Two Non-Target Crustacean Species, <i>Asellus aquaticus</i> L. and <i>Gammarus fossarum</i> Koch., to Atrazine and Imidacloprid
Mommmaerts et al.	2010	Risk assessment for side-effects of neonicotinoids against bumblebees with and without impairing foraging behavior
Mullin et al.	2010	High Levels of Miticides and Agrochemicals in North American Apiaries: Implications for Honey Bee Health
Najafi et al.	2010	The Effect of Chronic Exposure with Imidacloprid Insecticide on Fertility in Mature Male Rats
Orantes-Bermejo et al.	2010	Pesticide residues in beeswax and beebread samples collected from honey bee colonies (<i>Apis mellifera</i>) in Spain. Possible implications for bee losses
Pestana et al.	2010	Pesticide exposure and inducible antipredator responses in the zooplankton grazer, <i>Daphnia magna</i> Straus
Pynenburg et al.	2010	Agronomic and economic assessment of intensive pest management of dry bean (<i>Phaseolus vulgaris</i>)
Sardo & Soares	2010	Assessment of the Effects of the Pesticide Imidacloprid on the Behaviour of the Aquatic Oligochaete <i>Lumbriculus variegatus</i>
Shalaby et al.	2010	Toxicological Potential of Thiamethoxam Insecticide on Albino Rats and its Residues in some Organs
Tennekes	2010	The systemic insecticides: a disaster in the making
Tremolada et al.	2010	Field Trial for Evaluating the Effects on Honeybees of Corn Sown Using Cruiser and Celest XL Treated Seeds.
van Dijk	2010	Effects of neonicotinoid pesticide pollution of Dutch surface water on non-target species abundance
Chen et al.	2009	Mixture effects of the nonylphenyl polyethoxylate, B-11 and the insecticide, imidacloprid on population growth rate and other parameters of the crustacean, <i>Ceriodaphnia dubia</i>
Costa et al.	2009	Genotoxicity of imidacloprid in relation to metabolic activation and composition of the commercial product
de Oliveira et al.	2009	Effects of the neonicotinoids thiamethoxam and clothianidin on in vivo dopamine release in rat striatum
Girolami et al.	2009	Translocation of Neonicotinoid Insecticides from Coated Seeds to Seedling Guttation Drops: A Novel Way of Intoxication for Bees
Johnson et al.	2009	Probability of Cost-Effective Management of Soybean Aphid (Hemiptera: Aphididae) in North America
Kindemba	2009	The impact of neonicotinoid insecticides on bumblebees, honey bees and other non-target invertebrates (revised)
Kreutzweiser et al.	2009	Imidacloprid in leaves from systemically treated trees may inhibit litter breakdown by non-target invertebrates
Magalhaes et al.	2009	Efficacy of Neonicotinoid Seed Treatments to Reduce Soybean Aphid Populations Under Field and Controlled Conditions in Nebraska
Mondal et al.	2009	Effects of Acetamiprid on Immune System in Female Wistar Rats
Moser & Obrycki	2009	Non-target effects of neonicotinoid seed treatments; mortality of coccinellid larvae related to zoophytophagy
Ohnesorg et al.	2009	Impact of Reduced-Risk Insecticides on Soybean Aphid and Associated Natural Enemies
Pestana et al.	2009	Structural and functional responses of benthic invertebrates to imidacloprid in outdoor stream mesocosms
Pestana et al.	2009	Fear and loathing in the benthos. Responses of aquatic insect larvae to the pesticide imidacloprid in the presence of chemical signals of predation risk
Rodrigues et al.	2009	Behavioral and biochemical effects of neonicotinoid thiamethoxam on the cholinergic system in rats
Scott-Dupree et al.	2009	Impact of Currently Used or Potentially Useful Insecticides for Canola Agroecosystems on <i>Bombus impatiens</i>, <i>Megachile rotundata</i>, and <i>Osmia lignaria</i>
Skerl et al.	2009	Residues of Pesticides in Honeybee (<i>Apis mellifera</i> carnica) Bee Bread and in Pollen Loads from Treated Apple Orchards
Stavrinides & Mills	2009	Demographic effects of pesticides on biological control of Pacific spider mite (<i>Tetranychus pacificus</i>) by the western predatory mite (<i>Galenidromus occidentalis</i>)
Tisler et al.	2009	Hazard identification of Imidacloprid to aquatic environment

Toth	2009	Lethal and sublethal effects of imidacloprid and amitraz on apis mellifera linnaeus (hymenoptera: apidae) larvae and pupae
van Dijk et al.	2009	A survey of honey bee colony losses in the United States, fall 2008 to spring 2009
Abou-Donia et al.	2008	Imidacloprid Induces Neurobehavioral Deficits and Increases Expression of Glial Fibrillary Acidic Protein in the Motor Cortex and Hippocampus in Offspring Rats Following In Utero Exposure
Alexander et al.	2008	Emergent body size of mayfly survivors
Brunet et al.	2008	Intestinal absorption of the acetamidiprid neonicotinoid by Caco-2 cells: Transepithelial transport, cellular uptake and efflux
Cox et al.	2008	Planting Date and Seed Treatment Effects on Soybean in the Northeastern United States
El Hassani et al.	2008	Effects of Sublethal Doses of Acetamidiprid and Thiamethoxam on the Behavior of the Honeybee (Apis mellifera)
Evans et al.	2008	Status Review of Three Formerly Common Species of Bumble Bee in the Subgenus Bombus
Johnson et al.	2008	Is Preventative, Concurrent Management of the Soybean Aphid (Hemiptera: Aphididae) and Bean Leaf Beetle (Coleoptera: Chrysomelidae) Possible?
Lounsbury	2008	Pollinators and Pesticides Escalating crisis demands action
Shadnia	2008	Case Report: Fatal intoxication with imidacloprid insecticide
Soroka et al.	2008	Impact of Decreasing Ratios of Insecticide-Treated Seed on Flea Beetle (Coleoptera: Chrysomelidae, Phyllotreta spp.) Feeding Levels and Canola Seed Yields
Stoughton et al.	2008	Acute and Chronic Toxicity of Imidacloprid to the Aquatic Invertebrates Chironomus tentans and Hyalella azteca under Constant- and Pulse-Exposure Conditions
Yang et al.	2008	Abnormal Foraging Behavior Induced by Sublethal Dosage of Imidacloprid in the Honey Bee
Alix & Vergnet	2007	Risk assessment to honey bees: a scheme developed in France for non-sprayed systemic compounds
Cox et al.	2007	The Effect of Clothianidin Seed Treatment on Corn Growth following Soybean
Cummins	2007	Requiem for the Honeybee
Jemec et al.	2007	Comparative toxicity of imidacloprid, of its commercial liquid formulation and of diazinon to a non-target arthropod, the microcrustacean Daphnia magna
Kocaman & Topaktas	2007	In Vitro Evaluation of the Genotoxicity of Acetamidiprid in Human Peripheral Blood Lymphocytes
Potter et al.	2007	Canadian Water Quality Guidelines: Imidacloprid
Ragsdale et al.	2007	Economic Threshold for Soybean Aphid (Hemiptera: Aphididae)
Sanchez-Bayo & Goka	2007	Simplified models to analyse time- and dose-dependent responses of populations to toxicants
Biesmeijer et al.	2006	Parallel Declines in Pollinators and Insect-Pollinated Plants in Britain and the Netherlands
Cloyd & Dickinson	2006	Effect of Insecticides on Mealybug Destroyer and Parasitoid Leptomastix dactylopi, Natural Enemies of Citrus Mealybug
Ford & Casida	2006	Unique and Common Metabolites of Thiamethoxam, Clothianidin, and Dinotepuran in Mice
Furlan et al.	2006	The ineffectiveness of insecticide seed coatings and planting-time soil insecticides as Diabrotica virgifera virgifera LeConte population suppressors
Halm et al.	2006	New Risk Assessment Approach for Systemic Insecticides: The Case of Honey Bees and Imidacloprid (Gaucho)
Jones et al.	2006	The nicotinic acetylcholine receptor gene family of the honey bee, Apis mellifera
Kaeb	2006	Management of grape colaspis, Colaspis brunnea (Coleoptera: Chrysomelidae), in seed corn production
McCormack & Ragsdale	2006	Efficacy of Thiamethoxam to Suppress Soybean Aphid Populations in Minnesota Soybean
Craig et al.	2005	Human Exposure to Imidacloprid from Dogs Treated with Advantage II
Decourtye et al.	2005	Comparative Sublethal Toxicity of Nine Pesticides on Olfactory Learning Performances of the Honeybee Apis mellifera
Faucon et al.	2005	Experimental study on the toxicity of imidacloprid given in syrup to honey bee colonies
Feng et al.	2005	Assessing the genotoxicity of imidacloprid and RH-5849 in human peripheral blood lymphocytes in vitro with comet assay and cytogenetic tests
Fidente et al.	2005	Analysis of nicotinoid insecticides residues in honey by solid matrix partition clean-up and liquid chromatography-electrospray mass spectrometry
Furlan	2005	An IPM approach targeted against wireworms: What has been done and what has to be done
Green et al.	2005	Thiamethoxam Induced Mouse Liver Tumors and Their Relevance to Humans - Part 1: Mode of Action Studies in the Mouse
Green et al.	2005	Thiamethoxam Induced Mouse Liver Tumors and Their Relevance to Humans - Part 2: Species Differences in Response
Ishaaya et al.	2005	Effect of the Surfactant BB5 on the Potency of Thiamethoxam against the Whitefly Bemisia tabaci
Karabay et al.	2005	Cytogenic and genotoxic effects of the insecticides, imidacloprid and methamidophos
Mullin et al.	2005	Toxic and Behavioral Effects to Carabidae of Seed Treatments Used on Cry3Bb1- and Cry1Ab/c-Protected Corn
Pastoor et al.	2005	Case Study: Weight of Evidence Evaluation of the Human Health Relevance of Thiamethoxam-Related Mouse Liver Tumors
Rortais et al.	2005	Modes of honeybees exposure to systemic insecticides: estimated amounts of contaminated pollen and nectar consumed by different categories of bees
Tomizawa & Casida	2005	Neonicotinoid Insecticide Toxicology: Mechanisms of Selective Action
Wang et al.	2005	Toxicity of four systemic neonicotinoids to adults of Anoplophora glabripennis
Brunet et al.	2004	Human Intestinal Absorption of Imidacloprid with Caco-2 Cells as Enterocyte Model
Decourtye et al.	2004	Imidacloprid impairs memory and brain metabolism in the honeybee (Apis mellifera L.)
Decourtye et al.	2004	Effects of Imidacloprid and deltamethrin on associative learning in honeybees under semi-field and laboratory conditions
Ihara et al.	2004	Super Agonist Actions of Clothianidin and Related Compounds on the SADB2 Nicotinic Acetylcholine Receptor Expressed in Xenopus laevis Oocytes
Medrzycki et al.	2003	Effects of Imidacloprid administered in sub-lethal doses on honey bee behaviour, Laboratory tests.
Torres et al.	2003	Toxicity of pymetrozine and thiamethoxam to Aphelinus possypi and Delphastus pusillus
Pons & Albajes	2002	Control of maize pests with imidacloprid seed dressing treatment in Catalonia (NE Iberian Peninsula) under traditional crop conditions
Walker	2002	Neurotoxic Pesticides and Behavioural Effects Upon Birds
Okumoto & Ozoe	2001	Evaluation of Affinity of Neonicotinoid Insecticides for Rat Brain Nicotinic Acetylcholine Receptors by [³H] Epibatidine-Binding Assay
Tomizawa et al.	2001	Analgesic and Toxic Effects of Neonicotinoid Insecticides in Mice
Wildie et al.	2001	Seed Treatment for Control of Wheat Insects and Its Effect on Yield
D'Amour & Casida	1999	Desnitroimidacloprid and Nicotine Binding Site in Rat Recombinant α4β2 Neuronal Nicotinic Acetylcholine Receptor
Wildie et al.	1998	Direct effect of the systemic insecticide imidacloprid (Gaucho) on yield of grain sorghum
Chao & Casida	1997	Interaction of Imidacloprid Metabolites and Analogs with the Nicotinic Acetylcholine Receptor of Mouse Brain in Relation to Toxicity