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## Chromium toxicity in plants

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1012	Magnetic CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Adsorption of Cr(VI) from Aqueous Solution. <b>2014</b> , 896, 104-107	1
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1010	Chromium removal in constructed wetlands: A review. <b>2014</b> , 96, 181-190	58
1009	Potential Heavy Metals Accumulation of Indigenous Plant Species along the Mafic and Ultramafic Terrain in the Mohmand Agency, Pakistan. <b>2014</b> , 42, 339-346	20
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1005	Adsorbents Based on Electrospun Nanofibers. <b>2014</b> , 473-495	2
1004	Seed germination, root elongation, root-tip mitosis, and micronucleus induction of five crop plants exposed to chromium in fluvo-aquic soil. <b>2014</b> , 33, 671-6	30
1003	Chromium resistance of dandelion ( <i>Taraxacum platyepidum</i> Diels.) and bermudagrass ( <i>Cynodon dactylon</i> [Linn.] Pers.) is enhanced by arbuscular mycorrhiza in Cr(VI)-contaminated soils. <b>2014</b> , 33, 2105-13	20
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1001	Removal of hexavalent chromium from aqueous solution using biomass derived fly ash from Waste-to-Energy power plant. <b>2014</b> , 52, 7845-7855	14
1000	Applied Cell Biology of Sulphur and Selenium in Plants. <b>2014</b> , 247-272	2
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998	Chromium pollution: A threat to environment-A review. <b>2014</b> , 35, 153	29

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995	Improvement of Cr phytoremediation by <i>Pistia stratiotes</i> in presence of nutrients. <b>2014</b> , 16, 167-78	18
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992	Preparation of CTA-based polymer inclusion membrane using calix[4]arene derivative as a carrier for Cr(VI) transport. <b>2014</b> , 79, 103-111	21
991	Chromium stress response effect on signal transduction and expression of signaling genes in rice. <b>2014</b> , 150, 205-24	75
990	Variations in chromium tolerance and accumulation among canola ( <i>Brassica napus</i> L.) cultivars. <b>2014</b> , 93, 113-9	6
989	Hexavalent chromium damages chamomile plants by alteration of antioxidants and its uptake is prevented by calcium. <b>2014</b> , 273, 110-7	54
988	Role of Silicon in Enrichment of Plant Nutrients and Protection from Biotic and Abiotic Stresses. <b>2014</b> , 39-56	25
987	Phosphate relieves chromium toxicity in <i>Arabidopsis thaliana</i> plants by interfering with chromate uptake. <b>2014</b> , 27, 363-70	35
986	Soil characteristics and heavy metal accumulation by native plants in a Mn mining area of Guangxi, South China. <b>2014</b> , 186, 2269-79	41
985	Antagonist Effects of Sodium Chloride on the Biological Responses of an Aquatic Plant ( <i>Ceratophyllum demersum</i> L.) Exposed to Hexavalent Chromium. <b>2014</b> , 225, 1	3
984	Pretreatment of Cr(VI)-amended soil with chromate-reducing rhizobacteria decreases plant toxicity and increases the yield of <i>Pisum sativum</i> . <b>2014</b> , 66, 616-27	20
983	Comparative studies of tri- and hexavalent chromium cytotoxicity and their effects on oxidative state of <i>Saccharomyces cerevisiae</i> cells. <b>2014</b> , 68, 448-56	17
982	Phytoremediation for co-contaminated soils of chromium and benzo[a]pyrene using <i>Zea mays</i> L. <b>2014</b> , 21, 3051-9	16
981	Determination of concentrations of chromium and other elements in soil and plant samples from leather tanning area by Instrumental Neutron Activation Analysis. <b>2014</b> , 300, 213-218	21
980	A Cr(VI)-reducing Microbacterium sp. strain SUCR140 enhances growth and yield of <i>Zea mays</i> in Cr(VI) amended soil through reduced chromium toxicity and improves colonization of arbuscular mycorrhizal fungi. <b>2014</b> , 21, 1971-1979	41

979	Phytoremediation potential and nutrient status of <i>Barringtonia acutangula</i> Gaerth. Tree seedlings grown under different chromium (CrVI) treatments. <b>2014</b> , 157, 164-74	27
978	Cr localization and speciation in roots of chromate fed <i>Helianthus annuus</i> L. seedlings using synchrotron techniques. <b>2014</b> , 16, 1073-86	5
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976	Algal photosynthetic responses to toxic metals and herbicides assessed by chlorophyll a fluorescence. <b>2014</b> , 104, 51-71	152
975	Toxic effects of heavy metals (Cd, Cr and Pb) on seed germination and growth and DPPH-scavenging activity in <i>Brassica rapa</i> var. turnip. <b>2014</b> , 30, 238-49	35
974	PHEs, Environment and Human Health. <b>2014</b> ,	15
973	Comparative metal accumulation potential of <i>Potamogeton pectinatus</i> L. and <i>Potamogeton crispus</i> L.: Role of enzymatic and non-enzymatic antioxidants in tolerance and detoxification of metals. <b>2014</b> , 117, 27-32	30
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971	Effects of Plants for Reduction and Removal of Hexavalent Chromium from a Contaminated Soil. <b>2014</b> , 225, 1	37
970	Effects of arsenate, chromate, and sulfate on arsenic and chromium uptake and translocation by arsenic hyperaccumulator <i>Pteris vittata</i> L. <b>2014</b> , 184, 187-92	72
969	Trivalent chromium pretreatment alleviates the toxicity of oxidative damage in wheat plants exposed to hexavalent chromium. <b>2014</b> , 36, 787-794	3
968	Assessment of chromium efficacy on germination, root elongation, and coleoptile growth of wheat ( <i>Triticum aestivum</i> L.) at different growth periods. <b>2014</b> , 186, 2957-63	58
967	Lead accumulation potential in <i>Acacia victoria</i> . <b>2014</b> , 16, 582-92	10
966	Hydrogen sulfide interacts with calcium signaling to enhance the chromium tolerance in <i>Setaria italica</i> . <b>2014</b> , 56, 472-81	93
965	Transformed yeast ( <i>Schizosaccharomyces pombe</i> ) overexpressing rice Tau class glutathione S-transferase (OsGSTU30 and OsGSTU41) shows enhanced resistance to hexavalent chromium. <b>2014</b> , 6, 1549-57	22
964	Rhizoremediation potential of spontaneously grown <i>Typha latifolia</i> on fly ash basins: Study from the field. <b>2014</b> , 71, 722-727	53
963	Single and combined effects of exposure concentration and duration on biological responses of <i>Ceratophyllum demersum</i> L. exposed to Cr species. <b>2014</b> , 16, 1192-208	10
962	Cr(III) adsorption by fluorinated activated boron nitride: a combined experimental and theoretical investigation. <b>2014</b> , 4, 14815	40



961	Trace element transfer from soil to leaves of macrophytes along the Jalle d'Alsines River, France and their potential use as contamination biomonitors. <b>2014</b> , 46, 425-437	25
960	Effects of aquatic ecological indicators of sustainable green energy landscape facilities. <b>2014</b> , 71, 144-153	11
959	Role of Glutathione in Abiotic Stress Tolerance. <b>2014</b> , 149-181	9
958	Genomic profiling of rice roots with short- and long-term chromium stress. <b>2014</b> , 86, 157-70	39
957	Translocation and bioaccumulation of metals in <i>Oryza sativa</i> and <i>Zea mays</i> growing in chromite-asbestos contaminated agricultural fields, Jharkhand, India. <b>2014</b> , 93, 434-41	19
956	Influence of iron plaque on chromium accumulation and translocation in three rice ( <i>Oryza sativa</i> L.) cultivars grown in solution culture. <b>2014</b> , 30, 29-38	26
955	Physiological and proteomic alterations in rice ( <i>Oryza sativa</i> L.) seedlings under hexavalent chromium stress. <b>2014</b> , 240, 291-308	40
954	Genotypic variation of the responses to chromium toxicity in four oilseed rape cultivars. <b>2014</b> , 58, 539-550	41
953	Assessment of long-term wastewater irrigation impacts on the soil geochemical properties and the bioaccumulation of heavy metals to the agricultural products. <b>2014</b> , 186, 4857-70	32
952	Deformation-induced changeable Young's modulus with high strength in E-type Ti-Cr-O alloys for spinal fixture. <b>2014</b> , 30, 205-13	41
951	The transfer of heavy metals to barley plants from soils amended with sewage sludge with different heavy metal burdens. <b>2014</b> , 14, 687-696	50
950	Fractionation of chromium in tannery sludge-amended soil and its availability to fenugreek plants. <b>2014</b> , 14, 697-702	17
949	Determination of genomic instability and DNA methylation effects of Cr on maize ( <i>Zea mays</i> L.) using RAPD and CRED-RA analysis. <b>2014</b> , 36, 1529-1537	15
948	Mechanical properties of <i>Callitriche cophocarpa</i> leaves under Cr(VI)/Cr(III) influence. <b>2014</b> , 36, 2025-2032	1
947	Elicitation. <b>2014</b> , 201-230	71
946	The chromium detoxification pathway in the multimetal accumulator <i>Silene vulgaris</i> . <b>2014</b> , 48, 11479-86	21
945	Effect of bacterial treatment on Cr(VI) remediation from soil and subsequent plantation of <i>Pisum sativum</i> . <b>2014</b> , 73, 404-408	23
944	Adsorption performance of suitable nanostructured novel composite adsorbent of poly(N-methylaniline) for removal of heavy metal from aqueous solutions. <b>2014</b> , 20, 4344-4352	27

943	Assessment of the Cytogenetic Damage Induced by Chromium Short-Term Exposure in Root Tip Meristems of Barley Seedlings. <b>2014</b> , 225, 1	14
942	Chemical state of chromium in sewage sludge ash based phosphorus-fertilisers. <b>2014</b> , 103, 250-5	29
941	Trace metals of needles and litter in timberline forests in the Eastern of Tibetan Plateau, China. <b>2014</b> , 45, 669-676	14
940	Toxicity testing with the benthic diatom <i>Navicula libonensis</i> (Schoeman 1970): procedure optimisation and assessment of the species sensitivity to reference chemicals. <b>2014</b> , 93, 71-7	5
939	Chromate alters root system architecture and activates expression of genes involved in iron homeostasis and signaling in <i>Arabidopsis thaliana</i> . <b>2014</b> , 86, 35-50	13
938	Phytoremediation of Zn- and Cr-Contaminated Soil Using Two Promising Energy Grasses. <b>2014</b> , 225, 1	138
937	Assessments of chromium (and other metals) in vegetables and potential bio-accumulations in humans living in areas affected by tannery wastes. <b>2014</b> , 112, 412-9	32
936	Rescue of heavy metal effects on cell physiology of the algal model system <i>Micrasterias</i> by divalent ions. <b>2014</b> , 171, 154-63	80
935	Integrated reduction/oxidation reactions and sorption processes for Cr(VI) removal from aqueous solutions using <i>Laminaria digitata</i> macro-algae. <b>2014</b> , 237, 443-454	62
934	Sewage sludge application for spontaneous plant restoration of a New Caledonian Ferralsol. <b>2014</b> , 52, 76	2
933	WITHDRAWN: Impacts of steel-slag-based silicate fertilizer on soil acidity and silicon availability and potential heavy-metal contamination in a paddy soil-plant system. <b>2014</b> ,	
932	Determination of optimum range for hexavalent chromium Cr(VI) removal using <i>Ageratum conyzoides</i> leaf powder (ACLPL). <b>2015</b> ,	
931	Thermal Treatment of Chromium(III) Oxide with Carbonates Analyzed by Far-Infrared Spectroscopy. <b>2015</b> , 69, 1210-4	3
930	Chromium-Induced Ultrastructural Changes and Oxidative Stress in Roots of <i>Arabidopsis thaliana</i> . <b>2015</b> , 16, 15852-71	64
929	Cytotoxicity, Genotoxicity, and Phytotoxicity of Tannery Effluent Discharged into Palar River Basin, Tamil Nadu, India. <b>2015</b> , 2015, 504360	11
928	Heavy metal stress and some mechanisms of plant defense response. <b>2015</b> , 2015, 756120	484
927	Perkecambahan Biji Dan Pertumbuhan Kecambah Varietas Sorgum ( <i>Sorghum bicolor</i> L.) Pada Cekaman Krom Heksavalen. <b>2015</b> , 17, 41	2
926	Phytoextraction: Using <i>Brassica</i> as a Hyper Accumulator. <b>2015</b> , 04,	0

925	Resíduo de Curtumes como Fonte de Nitrogênio para Trigo e Arroz em Sucesso. <b>2015</b> , 39, 1445-1455	0
924	Application of Heavy Metal Rich Tannery Sludge on Sustainable Growth, Yield and Metal Accumulation by Clarysage ( <i>Salvia sclarea</i> L.). <b>2015</b> , 17, 1171-6	12
923	Phytoremediation for Green Energy. <b>2015</b> ,	8
922	Effect of Soil Aging on the Phytoremediation Potential of Zea mays in Chromium and Benzo[a]Pyrene Contaminated Soils. <b>2015</b> , 94, 777-82	3
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920	Microstructure and mechanical properties of Ti-Zr-Cr biomedical alloys. <b>2015</b> , 51, 148-52	37
919	Uptake of Heavy Metals. <b>2015</b> , 91-111	
918	Determination of heavy metals in dust from selected nursery and kindergarten classrooms within the Kumasi metropolis of Ghana. <b>2015</b> , 1, 1119005	7
917	Measuring and Analysis of Non-essential Element Variation in Soybean. <b>2015</b> ,	
916	Development of a sediment-contact test with rice for the assessment of sediment-bound pollutants. <b>2015</b> , 22, 12664-75	3
915	Influence of airborne dust on the metal concentrations in crop plants cultivated in a rooftop garden in Seoul. <b>2015</b> , 61, 88-97	17
914	Differential expression of zinc accumulation during two growing seasons of <i>Acacia victoriae</i> . <b>2015</b> , 26, 663-671	2
913	Monte Carlo adsorption affinity studio of modified nano-montmorillonite for the removal of chromate ions. <b>2015</b> , 3, 218	0
912	Genetic Manipulation in Plants for Mitigation of Climate Change. <b>2015</b> ,	0
911	Engineered Plants for Heavy Metals and Metalloids Tolerance. <b>2015</b> , 143-168	2
910	Effect of Organic Manures on the Growth of <i>Cymbopogon citratus</i> and <i>Chrysopogon zizanioides</i> for the Phytoremediation of Chromite-Asbestos Mine Waste: A Pot Scale Experiment. <b>2015</b> , 17, 437-47	34
909	Determination of total chromium in tea samples by suspension dispersive solid phase extraction combined with silver nanoparticles and using flame atomic absorption spectrometry. <b>2015</b> , 7, 2093-2099	9
908	Selenium alleviates chromium toxicity by preventing oxidative stress in cabbage ( <i>Brassica campestris</i> L. ssp. <i>Pekinensis</i> ) leaves. <b>2015</b> , 114, 179-89	67

907	Cr Stable Isotope Fractionation in Arbuscular Mycorrhizal Dandelion and Cr Uptake by Extraradical Mycelium. <b>2015</b> , 25, 186-191	9
906	Metal bioavailability and toxicity in freshwaters. <b>2015</b> , 13, 69-87	87
905	Differential Effects of Cr(VI) on the Ultrastructure of Chloroplast and Plasma Membrane of <i>Salvinia minima</i> Growing in Summer and Winter. Relationships With Lipid Peroxidation, Electrolyte Leakage, Photosynthetic Pigments, and Carbohydrates. <b>2015</b> , 226, 1	7
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903	Removal of Lead and Chromium from Synthetic Wastewater Using <i>Vetiveria zizanioides</i> . <b>2015</b> , 43, 538-543	15
902	Biogeochemical study of chromite bearing zones in Forumad area, Sabzevar ophiolite, Northeastern Iran. <b>2015</b> , 151, 41-49	8
901	Two-dimensional titanium carbide for efficiently reductive removal of highly toxic chromium(VI) from water. <b>2015</b> , 7, 1795-803	339
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895	Potential for chromium (VI) bioremediation by the aquatic carnivorous plant <i>Utricularia gibba</i> L. ( <i>Lentibulariaceae</i> ). <b>2015</b> , 22, 9742-8	10
894	Enhancing phytoremediation of chromium-stressed soils through plant-growth-promoting bacteria. <b>2015</b> , 13, 51-58	86
893	Effects of Reductants on Phytoextraction of Chromium (VI) by <i>Ipomoea aquatica</i> . <b>2015</b> , 17, 429-36	10
892	Alleviation of chromium toxicity by glycinebetaine is related to elevated antioxidant enzymes and suppressed chromium uptake and oxidative stress in wheat ( <i>Triticum aestivum</i> L.). <b>2015</b> , 22, 10669-78	123
891	Fulvic acid mediates chromium (Cr) tolerance in wheat ( <i>Triticum aestivum</i> L.) through lowering of Cr uptake and improved antioxidant defense system. <b>2015</b> , 22, 10601-9	92
890	Subcellular Sequestration and Impact of Heavy Metals on the Ultrastructure and Physiology of the Multicellular Freshwater Alga <i>Desmidium swartzii</i> . <b>2015</b> , 16, 10389-410	26

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888	Silicon in Agriculture. <b>2015</b> ,	155
887	Increase of chromium tolerance in <i>Scenedesmus acutus</i> after sulfur starvation: Chromium uptake and compartmentalization in two strains with different sensitivities to Cr(VI). <b>2015</b> , 167, 124-33	17
886	Silicon-Mediated Tolerance to Metal Toxicity. <b>2015</b> , 83-122	5
885	βType titanium alloys for spinal fixation surgery with high Young's modulus variability and good mechanical properties. <b>2015</b> , 24, 361-9	37
884	Exogenous glycinebetaine alleviates the detrimental effect of Cd stress on perennial ryegrass. <b>2015</b> , 24, 1330-40	39
883	Quantification of Heavy Metals in Mining Affected Soil and Their Bioaccumulation in Native Plant Species. <b>2015</b> , 17, 801-13	47
882	Tolerance of Ornamental Succulent Plant Crown of Thorns ( <i>Euphorbia milli</i> ) to Chromium and its Remediation. <b>2015</b> , 17, 363-8	22
881	Physiological and molecular analyses of black and yellow seeded <i>Brassica napus</i> regulated by 5-aminolivulinic acid under chromium stress. <b>2015</b> , 94, 130-43	70
880	Morpho-anatomical and biochemical adapting strategies of maize ( <i>Zea mays</i> L.) seedlings against lead and chromium stresses. <b>2015</b> , 4, 286-295	90
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877	Phytoremediation of cadmium improved with the high production of endogenous phenolics and free proline contents in <i>Parthenium hysterophorus</i> plant treated exogenously with plant growth regulator and chelating agent. <b>2015</b> , 22, 13305-18	30
876	Differential effects of cadmium and chromium on growth, photosynthetic activity, and metal uptake of <i>Linum usitatissimum</i> in association with <i>Glomus intraradices</i> . <b>2015</b> , 187, 311	47
875	Comparative study on the sensitivity of turions and active fronds of giant duckweed ( <i>Spirodela polyrhiza</i> (L.) Schleiden) to heavy metal treatments. <b>2015</b> , 132, 40-6	13
874	Regulation of Nutrient Uptake by Plants. <b>2015</b> ,	22
873	Recovery of chromium from plastic plating wastewater by cetyltrimethylammonium bromide MEUF and electro dialysis. <b>2015</b> , 55, 2408-2415	6
872	Utilization of heavy metal-rich tannery sludge for sweet basil ( <i>Ocimum basilicum</i> L.) cultivation. <b>2015</b> , 22, 7470-5	11

871	Effect of mineral nutrients on the uptake of Cr(VI) by maize plants. <b>2015</b> , 32, 396-402	10
870	Specific Reagent for Cr(III): Imaging Cellular Uptake of Cr(III) in Hct116 Cells and Theoretical Rationalization. <b>2015</b> , 119, 13018-26	21
869	Mycorrhiza and PGPB modulate maize biomass, nutrient uptake and metabolic pathways in maize grown in mining-impacted soil. <b>2015</b> , 97, 390-9	37
868	Interactive effects of sulfur and chromium on antioxidative defense systems and BnMP1 gene expression in canola ( <i>Brassica napus</i> L.) cultivars differing in Cr(VI) tolerance. <b>2015</b> , 24, 1171-82	19
867	Involvement of Asada-Halliwell Pathway During Phytoremediation of Chromium (VI) in <i>Brassica juncea</i> L. Plants. <b>2015</b> , 17, 1237-43	16
866	Toxicity Assessment and Accumulation of Metals in Radish Irrigated With Battery Manufacturing Industry Effluent. <b>2015</b> , 21, 373-385	8
865	Reactive Oxygen Species and Oxidative Damage in Plants Under Stress. <b>2015</b> ,	25
864	TII and TIII presence in suspended particulate matter: speciation analysis of thallium in wastewater. <b>2015</b> , 12, 374	16
863	Transformation and Immobilization of Chromium by Arbuscular Mycorrhizal Fungi as Revealed by SEM-EDS, TEM-EDS, and XAFS. <b>2015</b> , 49, 14036-47	51
862	EDTA and citric acid-mediated phytoextraction of heavy metals from iron ore tailings using <i>Andrographis paniculata</i> : a comparative study. <b>2015</b> , 29, 33-46	5
861	Mechanical properties and cytocompatibility of oxygen-modified $\beta$ -type Ti-Cr alloys for spinal fixation devices. <b>2015</b> , 12, 352-361	37
860	Concomitant reduction and immobilization of chromium in relation to its bioavailability in soils. <b>2015</b> , 22, 8969-78	57
859	Study on the binding interaction of chromium(VI) with humic acid using UV-vis, fluorescence spectroscopy and molecular modeling. <b>2015</b> , 136 Pt C, 1702-9	19
858	Phytoextraction capacity of <i>Pelargonium graveolens</i> L'Herf. grown on soil amended with tannery sludge & its effect on the antioxidant activity and oil yield. <b>2015</b> , 74, 20-27	18
857	Water quality improvement with artificial floating islands. <b>2015</b> , 74, 371-375	39
856	Effect of solution pH on the dynamic of biosorption of Cr(VI) by living plants of <i>Salvinia minima</i> . <b>2015</b> , 74, 33-41	25
855	The interaction of heavy metals and nutrients present in soil and native plants with arbuscular mycorrhizae on the riverside in the Matanza-Riachuelo River Basin (Argentina). <b>2015</b> , 505, 555-64	37
854	Use of Experimental Factorial Design for Optimization of Hexavalent Chromium Removal by a Bacterial Consortium: Soil Microcosm Bioremediation. <b>2015</b> , 24, 129-142	5

853	Chromium-induced physio-chemical and ultrastructural changes in four cultivars of <i>Brassica napus</i> L. <b>2015</b> , 120, 154-64	226
852	Metal-Dependent Root Iron Plaque Effects on Distribution and Translocation of Chromium and Nickel in Yellow Flag ( <i>Iris pseudacorus</i> L.). <b>2015</b> , 17, 175-81	10
851	Mitigation measures for chromium-VI contaminated groundwater - The role of endophytic bacteria in rhizofiltration. <b>2015</b> , 281, 114-120	37
850	Isolating, screening and applying chromium reducing bacteria to promote growth and yield of okra ( <i>Hibiscus esculentus</i> L.) in chromium contaminated soils. <b>2015</b> , 114, 343-9	44
849	Abiotic Stress Alleviation with Brassinosteroids in Plant Roots. <b>2016</b> ,	1
848	Comparison of phyto-accumulation of metals by <i>Vigna unguiculata</i> L. (bean) and <i>Zea mays</i> L. (maize) grown in crude oil contaminated soil. <b>2016</b> , 8, 104	
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837	Chromium and Aluminum Phytotoxicity in Maize: Morpho-Physiological Responses and Metal Uptake. <b>2016</b> , 44, 1075-1084	38
836	Toxic effect of perfluorooctanoic acid (PFOA) on germination and seedling growth of wheat ( <i>Triticum aestivum</i> L.). <b>2016</b> , 159, 420-425	38

835	Physiological and biochemical characterization of two <i>Amaranthus</i> species under Cr(VI) stress differing in Cr(VI) tolerance. <b>2016</b> , 108, 12-23	23
834	Research on the process-based risk evaluation method of groundwater pollution for contaminated site. <b>2016</b> , 16, 150-162	4
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795	Adverse effects and bioconcentration of chromium in two freshwater rotifer species. <b>2016</b> , 158, 107-15	8
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787	Metal concentrations around thermal power plants, rural and urban areas using honeybees ( <i>Apis mellifera</i> L.) as bioindicators. <b>2016</b> , 13, 413-422	26
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760	Evaluation of performance of <i>Planococcus</i> sp. TRC1 an indigenous bacterial isolate monoculture as bioremediator for tannery effluent. <b>2016</b> , 57, 13213-13224	7
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743	Plant chromium uptake and transport, physiological effects and recent advances in molecular investigations. <b>2017</b> , 140, 55-64	74
742	Isolation of indigenous <i>Staphylococcus sciuri</i> from chromium-contaminated paddy field and its application for reduction of Cr(VI) in rice plants cultivated in pots. <b>2017</b> , 21, 30-37	9
741	Reclamation of Cr-contaminated or Cu-contaminated agricultural soils using sunflower and chelants. <b>2017</b> , 24, 10131-10138	3
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674	Propagation and establishment of rupestrian grassland grasses for restoration of degraded areas by mining. <b>2018</b> , 41, 287-295	5



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672	ESIPT-capable 2,6-di(1H-imidazol-2-yl)phenols with very strong fluorescent sensing signals towards Cr(III), Zn(II), and Cd(II): molecular variation effects on turn-on efficiency. <b>2018</b> , 42, 7884-7900	16
671	A multi-responsive diarylethene-rhodamine 6G derivative for sequential detection of Cr <sup>3+</sup> and CO <sub>3</sub> <sup>2-</sup> <b>2018</b> , 74, 3489-3497	18
670	Levels and distribution of cobalt and nickel in the aquatic macrophytes found in Skadar Lake, Montenegro. <b>2018</b> , 25, 26823-26830	5
669	Mesoporous Na <sup>+</sup> SiO <sub>2</sub> spheres for efficient removal of Cr <sup>3+</sup> from aqueous solution. <b>2018</b> , 6, 1774-1782	3
668	Efficacy of cheap amendments for stabilizing trace elements in contaminated paddy fields. <b>2018</b> , 198, 130-138	8
667	Heavy metal contents and enrichment characteristics of dominant plants in wasteland of the downstream of a lead-zinc mining area in Guangxi, Southwest China. <b>2018</b> , 151, 266-271	52
666	Nanoencapsulation of hexavalent chromium with nanoscale zero-valent iron: High resolution chemical mapping of the passivation layer. <b>2018</b> , 67, 4-13	41
665	Microorganisms for Green Revolution. <b>2018</b> ,	2
664	Lethal and sublethal effects of metal-polluted sediments on <i>Chironomus sancticarloi</i> Strixino and Strixino, 1981. <b>2018</b> , 27, 286-299	11
663	Environmental Quality in Urban Allotment Gardens: Atmospheric Deposition, Soil, Water and Vegetable Assessment at LISBON City. <b>2018</b> , 229, 1	7
662	Total Chromium Captured by Maize ( <i>Zea Mays</i> ) Plants is Increased by Phosphate and Iron Supplementation in the Soil. <b>2018</b> , 49, 615-625	4
661	Rice Crop Growth and Rhizospheric Microbial Dynamics in Heavy Metals Contaminated Inceptisol. <b>2018</b> , 281-297	
660	Prospects of Arbuscular Mycorrhizal Fungi for Heavy Metal-Polluted Soil Management. <b>2018</b> , 91-113	1
659	Augmentation with potential endophytes enhances phytostabilization of Cr in contaminated soil. <b>2018</b> , 25, 7021-7032	13
658	<i>Callitriche cophocarpa</i> (water starwort) proteome under chromate stress: evidence for induction of a quinone reductase. <b>2018</b> , 25, 8928-8942	8
657	Chromium speciation in foodstuffs: A review. <b>2018</b> , 250, 105-112	68
656	Municipal wastewater treatment potential and metal accumulation strategies of <i>Colocasia esculenta</i> (L.) Schott and <i>Typha latifolia</i> L. in a constructed wetland. <b>2018</b> , 190, 328	24

655	Exploration of solvent responsive Cr-Schiff base conjugates for monitoring Cr ions and organophosphates: Fabrication of spot-testing devices. <b>2018</b> , 201, 46-53	5
654	Mitigating effect of nano-zerovalent iron, iron sulfate and EDTA against oxidative stress induced by chromium in <i>Helianthus annuus</i> L.. <b>2018</b> , 40, 1	21
653	Potential applications of <i>Pseudomonas</i> sp. (strain CPSB21) to ameliorate Cr stress and phytoremediation of tannery effluent contaminated agricultural soils. <b>2018</b> , 8, 4860	49
652	A scientometric examination of the water quality research in India. <b>2018</b> , 190, 225	4
651	Kinetics of phyto-accumulation of hexavalent and trivalent chromium in rice seedlings. <b>2018</b> , 128, 72-77	18
650	Assessment of <i>Ziziphus mauritiana</i> grown on fly ash dumps: Prospects for phytoremediation but concerns with the use of edible fruit. <b>2018</b> , 20, 1250-1256	19
649	Slag-Based Nanomaterial in the Removal of Hexavalent Chromium. <b>2018</b> , 17, 1760013	5
648	Identification of genome-wide single-nucleotide polymorphisms (SNPs) associated with tolerance to chromium toxicity in spring wheat ( <i>Triticum aestivum</i> L.). <b>2018</b> , 422, 371-384	9
647	Sucrose Protects Arabidopsis Roots from Chromium Toxicity Influencing the AuxinâPlethora Signaling Pathway and Improving Meristematic Cell Activity. <b>2018</b> , 37, 530-538	6
646	Heavy metals and arsenic phytoavailability index in pioneer plants from a semipermanent natural wetland. <b>2018</b> , 37, 980-988	3
645	Analysis of chromium status in the revegetated flora of a tannery waste site and microcosm studies using earthworm <i>E. fetida</i> . <b>2018</b> , 25, 5063-5070	9
644	Waste Bioremediation. <b>2018</b> ,	7
643	Efficiency of biogas slurry and Burkholderia phytofirmans PsJN to improve growth, physiology, and antioxidant activity of <i>Brassica napus</i> L. in chromium-contaminated soil. <b>2018</b> , 25, 6387-6397	16
642	Effectiveness of Plant Growth-Promoting Rhizobacteria in Phytoremediation of Chromium Stressed Soils. <b>2018</b> , 301-312	5
641	Biomonitoring chromium III or VI soluble pollution by moss chlorophyll fluorescence. <b>2018</b> , 194, 220-228	18
640	Chromium tolerance, bioaccumulation and localization in plants: An overview. <b>2018</b> , 206, 715-730	72
639	Interactive effects of chromate and arsenate on their uptake and speciation in <i>Pteris ensiformis</i> . <b>2018</b> , 422, 515-526	11
638	Chromium hazard and risk assessment: New insights from a detailed speciation study in a standard test medium. <b>2018</b> , 37, 983-992	23

637	Metallurgical residues reused as filler after 35years and their natural weathering implications in a mountain area. <b>2018</b> , 618, 39-47	5
636	<i>Vigna radiata</i> var. GM4 Plant Growth Enhancement and Root Colonization by a Multi-Metal-Resistant Plant Growth-Promoting Bacterium <i>Enterobacter</i> sp. C1D in Cr(VI)-Amended Soils. <b>2018</b> , 28, 144-156	19
635	Chromium (III) and its effects on soil microbial activities and phytoremediation potentials of <i>Arachis hypogea</i> and <i>Vigna unguiculata</i> . <b>2018</b> , 17, 1207-1214	9
634	Chelate based phytoremediation study for attenuation of chromium toxicity stress using lemongrass: <i>Cymbopogon flexuosus</i> (nees ex steud.) W. Watson. <b>2018</b> , 20, 1324-1329	19
633	Organic Matter Effects on the Cr(VI) Removal Efficiency and Tolerance of <i>Typha domingensis</i> . <b>2018</b> , 229, 1	8
632	Effect of Pig and Cattle Slurry Application on Heavy Metal Composition of Maize Grown on Different Soils. <b>2018</b> , 10, 2684	16
631	Geochemical Characteristics of Soils on Ellis Island, New York-New Jersey, Sixty Years after the Abandonment of the Hospital Complex. <b>2018</b> , 8, 13	4
630	Heavy Metal Toxicity and Antioxidative Response in Plants: An Overview. <b>2018</b> , 77-106	2
629	Role of Micro-organisms in Modulating Antioxidant Defence in Plants Exposed to Metal Toxicity. <b>2018</b> , 303-335	1
628	Role of Polyamines in Mediating Antioxidant Defense and Epigenetic Regulation in Plants Exposed to Heavy Metal Toxicity. <b>2018</b> , 229-247	18
627	Overexpression of RsMYB1 Enhances Anthocyanin Accumulation and Heavy Metal Stress Tolerance in Transgenic <i>Petunia</i> . <b>2018</b> , 9, 1388	33
626	Reduction of Cr(VI) with a relative high concentration using different kinds of zero-valent iron powders: Focusing on effect of carbon content and structure on reducibility. <b>2018</b> , 25, 2119-2130	4
625	Chromium (VI) - induced stress response in the plant <i>Forsk</i> in vitro. <b>2018</b> , 40, 21	11
624	Bioremediation of chromium contaminated water by diatoms with concomitant lipid accumulation for biofuel production. <b>2018</b> , 227, 313-320	23
623	Growing <i>Periandra mediterranea</i> on post-mining substrate: native Fabaceae with potential for revegetation of degraded rupestrian grasslands in Brazil. <b>2018</b> , 32, 232-239	3
622	Removal of oxoanions of MVI (MVI=Cr, Mo, W) metals by carbon nanostructures: Insights into mechanisms from DFT calculations. <b>2018</b> , 118, e25715	2
621	Physiological, ultrastructural, biochemical and molecular responses of young cocoa plants to the toxicity of Cr (III) in soil. <b>2018</b> , 159, 272-283	25
620	The complexation of rhizosphere and nonrhizosphere soil organic matter with chromium: Using elemental analysis combined with FTIR spectroscopy. <b>2018</b> , 154, 52-58	28

619	Mycoremediation Mechanisms for Heavy Metal Resistance/Tolerance in Plants. <b>2018</b> , 351-381	4
618	Metal Accumulation Strategies of Emergent Plants in Natural Wetland Ecosystems Contaminated with Coke-Oven Effluent. <b>2018</b> , 101, 55-60	11
617	Bridging a Gap between Cr(VI)-Induced Oxidative Stress and Genotoxicity in Lettuce Organs after a Long-Term Exposure. <b>2018</b> , 2018, 1-8	1
616	Phytoremedial Potential of a New Chemotype of <i>Ocimum kilimandscharicum</i> Guerke from Kumaun Himalaya. <b>2018</b> , 21, 623-639	2
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614	Surface structure and in vitro apatite-forming ability of titanium doped with various metals. <b>2018</b> , 555, 558-564	5
613	Concept of Aided Phytostabilization of Contaminated Soils in Postindustrial Areas. <b>2017</b> , 15,	20
612	Comparative in Silico Analysis of Ferric Reduction Oxidase (FRO) Genes Expression Patterns in Response to Abiotic Stresses, Metal and Hormone Applications. <b>2018</b> , 23,	10
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610	Assessment of chromium hyper-accumulative behaviour using biochemical analytical techniques of greenhouse cultivated <i>Sonchus asper</i> on tannery waste dump site soils. <b>2018</b> , 25, 26992-26999	4
609	Phytotoxic effects of trivalent chromium-enriched water irrigation in <i>Vigna unguiculata</i> seedling. <b>2018</b> , 202, 101-108	14
608	Impacts of ultramafic outcrops in Peninsular Malaysia and Sabah on soil and water quality. <b>2018</b> , 190, 333	9
607	Combined effect of Cr-toxicity and temperature rise on physiological and biochemical responses of <i>Atriplex halimus</i> L. <b>2018</b> , 132, 675-682	5
606	Response of <i>Zea mays</i> to multimetal contaminated soils: a multibiomarker approach. <b>2018</b> , 27, 1161-1177	10
605	Hydrogen ions and organic acids secreted by ectomycorrhizal fungi, <i>Pisolithus</i> sp1, are involved in the efficient removal of hexavalent chromium from waste water. <b>2018</b> , 161, 430-436	32
604	Biosorption Potential of <i>Vetiveria zizanioides</i> for the Removal of Chromium(VI) from Synthetic Wastewater. <b>2018</b> , 22, 04018014	9
603	Localization and Speciation of Chromium in <i>Coptis chinensis</i> Franch. using Synchrotron Radiation X-ray Technology and Laser Ablation ICP-MS. <b>2018</b> , 8, 8603	12
602	Recent Advances in Abiotic Stress Tolerance of Plants Through Chemical Priming: An Overview. <b>2018</b> , 51-79	20

601	Arabinogalactan proteins: actors or spectators during abiotic and biotic stress in plants?. <b>2019</b> , 153, 173-185	31
600	Effect of heavy metal stress on antioxidant enzymes and DNA damage in <i>Nasturtium officinale</i> R.Br. (watercress). <b>2019</b> , 38, 328-337	1
599	Selective solid-phase extraction using 1,5-diphenylcarbazide-modified magnetic nanoparticles for speciation of Cr(VI) and Cr(III) in aqueous solutions. <b>2019</b> , 16, 4739-4748	10
598	Calcium induces phytochelatin accumulation to cope with chromium toxicity in rice ( <i>Oryza sativa</i> L.). <b>2019</b> , 14, 295-302	19
597	Bioaccumulation of potentially toxic elements by submerged plants and biofilms: A critical review. <i>Environment International</i> , <b>2019</b> , 131, 105015	12.9 39
596	New highly-percolating alginate-PEI membranes for efficient recovery of chromium from aqueous solutions. <b>2019</b> , 225, 115177	20
595	Evaluation of the impact of lithium exploitation at the C57 mine (Gonãlo, Portugal) on water, soil and air quality. <b>2019</b> , 78, 1	2
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593	Ultratrace Metal Speciation Analysis by Coupling of Sector-Field ICP-MS to High-Resolution Size Exclusion and Reversed-Phase Liquid Chromatography. <b>2019</b> , 91, 10961-10969	12
592	Fractional and structural characterization of lignin and its modification as biosorbents for efficient removal of chromium from wastewater: a review. <b>2019</b> , 1,	40
591	Evaluation of lead and chromium tolerance and accumulation level in : a novel metal accumulator from lead acid battery waste contaminated site in Nigeria. <b>2019</b> , 21, 1341-1355	3
590	Susceptibility of algae to Cr toxicity reveals contrasting metal management strategies. <b>2019</b> , 64, 2271-2282	6
589	Hydrogen Sulfide. <b>2019</b> , 657-668	
588	Plant-Metal Interactions. <b>2019</b> ,	7
587	Mixed plantation of wheat and accumulators in arsenic contaminated plots: A novel way to reduce the uptake of arsenic in wheat and load on antioxidative defence of plant. <b>2019</b> , 182, 109462	14
586	Plant-Chromium Interactions: From Toxicity to Remediation. <b>2019</b> , 169-189	1
585	Analysis of native vegetation for detailed characterization of a soil contaminated by tannery waste. <b>2019</b> , 252, 1599-1608	15
584	System Biology of Metal Tolerance in Plants: An Integrated View of Genomics, Transcriptomics, Metabolomics, and Phenomics. <b>2019</b> , 107-144	11

583	Crosstalk Between Plant miRNA and Heavy Metal Toxicity. <b>2019</b> , 145-168	8
582	As, Cd, Cr, Cu, Hg: Physiological Implications and Toxicity in Plants. <b>2019</b> , 209-251	6
581	Phytoremediation of chromium (Cr) using <i>Typha angustifolia</i> L., <i>Canna indica</i> L. and <i>Hydrocotyle umbellata</i> L. in surface flow system of constructed wetland. <b>2019</b> , 308, 012020	3
580	Ameliorative roles of melatonin and/or zeolite on chromium-induced leaf senescence in marjoram plants by activating antioxidant defense, osmolyte accumulation, and ultrastructural modification. <b>2019</b> , 142, 111823	11
579	Salt Stress, Microbes, and Plant Interactions: Causes and Solution. <b>2019</b> ,	4
578	Model-based assessment of chromate reduction and nitrate effect in a methane-based membrane biofilm reactor. <b>2019</b> , 5, 100037	4
577	Effect of foliar application of Fe and banana peel waste biochar on growth, chlorophyll content and accessory pigments synthesis in spinach under chromium (IV) toxicity. <b>2019</b> , 4, 381-390	27
576	Designing yeast as plant-like hyperaccumulators for heavy metals. <b>2019</b> , 10, 5080	19
575	Potentially toxic metal accumulation and human health risk from consuming wild <i>Urtica urens</i> sold on the open markets of Izmir. <b>2019</b> , 4, 1	15
574	Quantification of Heavy Metal Contamination in Soil and Plants Near a Leather Tanning Industrial Area Using Libs and TXRF. <b>2019</b> , 86, 942-947	4
573	Impact assessment of azulene and chromium on growth and metabolites of wheat and chilli cultivars under biosurfactant augmentation. <b>2019</b> , 186, 109789	14
572	Morais Ultramafic Complex: A Survey towards Nickel Phytomining. <b>2019</b> , 8, 144	2
571	Chromium Hyper-Tolerant sp. MH778713 Assists Phytoremediation of Heavy Metals by Mesquite Trees (). <b>2019</b> , 10, 1833	26
570	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. <b>2019</b> , 293, 122064	53
569	Arbuscular mycorrhiza and plant chromium tolerance. <b>2019</b> , 1, 94-104	16
568	Characterization of responses to diluted and undiluted industrial wastewater. <b>2019</b> , 25, 1469-1482	7
567	Improved voltammetric methodology for chromium redox speciation in estuarine waters. <b>2019</b> , 1089, 40-47	11
566	Alleviation of chromium toxicity in maize by Fe fortification and chromium tolerant ACC deaminase producing plant growth promoting rhizobacteria. <b>2019</b> , 185, 109706	49

565	Adaptive and Tolerance Mechanisms in Herbaceous Plants Exposed to Cadmium. <b>2019</b> , 73-109	10
564	Transgenics for Arsenic and Chromium Phytoremediation. <b>2019</b> , 167-185	2
563	A critical review on bioremediation technologies for Cr(VI)-contaminated soils and wastewater. <b>2019</b> , 49, 1027-1078	171
562	Interactive effect of potassium and flyash: a soil conditioner on metal accumulation, physiological and biochemical traits of mustard ( <i>Brassica juncea</i> L.). <b>2019</b> , 26, 7847-7862	11
561	Whole transcriptome expression profiling and biological network analysis of chickpea during heavy metal stress. <b>2019</b> , 28, 345-352	7
560	Variations in morphological and physiological traits of wheat regulated by chromium species in long-term tannery effluent irrigated soils. <b>2019</b> , 222, 891-903	21
559	A study on removal of Cr(III) from aqueous solution using biomass of <i>Cymbopogon flexuosus</i> immobilized in sodium alginate beads and its use as hydrogenation catalyst. <b>2019</b> , 102, 118-132	19
558	Evaluation of the effectiveness of a bioremediation process in experimental soils polluted with chromium and lindane. <b>2019</b> , 181, 255-263	22
557	A review on heavy metal pollution, toxicity and remedial measures: Current trends and future perspectives. <b>2019</b> , 290, 111197	433
556	Chromium phytoaccumulation and its impact on growth and photosynthetic pigments of <i>Spirodela polyrrhiza</i> (L.) Schleid. on exposure to tannery effluent. <b>2019</b> , 2, 157-166	13
555	A novel approach towards optical detection and detoxification of Cr(VI) to Cr(III) using L-Cys-VS2QDs. <b>2019</b> , 7, 103202	7
554	Adsorption of chromium (VI) from the synthetic aqueous solution using chemically modified dried water hyacinth roots. <b>2019</b> , 7, 103218	39
553	Speciation and Separation of Trace Quantities of Hexavalent and Trivalent Chromium Species in Aqueous Extract of Wild Leafy Vegetables Using Multistep Pre-concentration Method. <b>2019</b> , 12, 1964-1972	6
552	Regulation of chromium toxicity tolerance in tomato and brinjal by calcium and sulfur through nitric oxide: Involvement of enzymes of sulfur assimilation and the ascorbate-glutathione cycle. <b>2019</b> , 166, 103789	16
551	Effect of Zinc on the Growth and Essential Oil Composition of <i>Ocimum gratissimum</i> L.. <b>2019</b> , 22, 441-454	2
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549	Biosorption potential of <i>Gliricidia sepium</i> leaf powder to sequester hexavalent chromium from synthetic aqueous solution. <b>2019</b> , 7, 103112	17
548	Soil Pollution and Remediation. <b>2019</b> , 583-616	1

547	Chromium: Environmental Pollution, Health Effects and Mode of Action. <b>2019</b> , 624-633	4
546	Linking phytotechnologies to bioeconomy; varietal screening of high biomass and energy crops for phytoremediation of Cr and Cu contaminated soils. <b>2019</b> , 14, 43-49	3
545	Study of the accumulation of contaminants by <i>Cyperus alternifolius</i> , <i>Lemna minor</i> , <i>Eichhornia crassipes</i> , and <i>Canna generalis</i> in some contaminated aquatic environments. <b>2019</b> , 26, 21340-21350	15
544	Physiological Responses of Wheat to Environmental Stresses. <b>2019</b> , 31-61	3
543	Dual-mode stormwater-greywater biofilters: The impact of alternating water sources on treatment performance. <b>2019</b> , 159, 521-537	24
542	Exogenous melatonin-mediated modulation of arsenic tolerance with improved accretion of secondary metabolite production, activating antioxidant capacity and improved chloroplast ultrastructure in rosemary herb. <b>2019</b> , 180, 333-347	44
541	Structure-Reactivity Relations in Ruthenium Catalysed Furfural Hydrogenation. <b>2019</b> , 11, 3927-3932	25
540	Honeybees ( <i>Apis mellifera</i> L.) as a Potential Bioindicator for Detection of Toxic and Essential Elements in the Environment (Case Study: Markazi Province, Iran). <b>2019</b> , 77, 344-358	20
539	Chromium detoxification mechanism induced growth and antioxidant responses in vetiver ( <i>Chrysopogon zizanioides</i> (L.) Roberty). <b>2019</b> , 26, 489-500	9
538	Bioaccumulation of some trace elements in tropical mangrove plants and snails (Can Gio, Vietnam). <b>2019</b> , 248, 635-645	19
537	Chromium, Cr. <b>2019</b> , 57-124	
536	Chemical characterization of vines grown in incipient volcanic soils of Fogo Island (Cape Verde). <b>2019</b> , 191, 128	4
535	Reactive Oxygen Species Metabolism and Antioxidant Defense in Plants Under Metal/Metalloid Stress. <b>2019</b> , 221-257	12
534	Assessment of optimal conditions for the restoration and recovery of agricultural soil. <b>2019</b> , 373, 801-809	8
533	Environmental benchmarks based on ecotoxicological assessment with planktonic species might not adequately protect benthic assemblages in lotic systems. <b>2019</b> , 668, 1289-1297	8
532	Chromium tolerant plant growth promoting rhizobacteria from the rhizosphere of <i>Trifolium pratense</i> and <i>Melilotus albus</i> . <b>2019</b> ,	1
531	Preparation and Corrosion Resistance of ETEO Modified Graphene Oxide/Epoxy Resin Coating. <b>2019</b> , 9, 46	27
530	Abiotic reduction of Cr(VI) by humic acids derived from peat and lignite: kinetics and removal mechanism. <b>2019</b> , 26, 4717-4729	21



529	Potassium and Metal Release Related to Glaucony Dissolution in Soils. <b>2019</b> , 3, 70	2
528	Low Springback and Low Young's Modulus in Ti-9Nb-3Ta-6Zr Alloy Modified by Mo Addition. <b>2019</b> , 60, 1755-1762	3
527	. <b>2019</b> ,	2
526	Role of Cr(VI) Resistant <i>Bacillus megaterium</i> in Phytoremediation. <b>2019</b> , 181-195	
525	Effect of Hexavalent Chromium [Cr(VI)] on Phytoremediation Potential and Biochemical Response of Hybrid Napier Grass with and without EDTA Application. <b>2019</b> , 8,	5
524	Amelioration of Chromium VI Toxicity in Sorghum ( <i>Sorghum bicolor</i> L.) using Glycine Betaine. <b>2019</b> , 9, 16020	25
523	Reducing chromium uptake through application of calcium and sodium in spinach. <b>2019</b> , 191, 754	5
522	Carbonization of Plant Residues Decreased their Capability of Reducing Hexavalent Chromium in Soils. <b>2019</b> , 230, 1	3
521	Selenium modulates dynamics of antioxidative defence expression, photosynthetic attributes and secondary metabolites to mitigate chromium toxicity in <i>Brassica juncea</i> L. plants. <b>2019</b> , 161, 180-192	91
520	The guard cell ionome: Understanding the role of ions in guard cell functions. <b>2019</b> , 146, 50-62	7
519	Management of chromium (VI) toxicity by calcium and sulfur in tomato and brinjal: Implication of nitric oxide. <b>2019</b> , 373, 212-223	36
518	Phytomanagement of Chromium Contaminated Brown Fields. <b>2019</b> , 447-469	4
517	Alleviation of chromium toxicity in rice seedling using <i>Phyllanthus emblica</i> aqueous extract in relation to metal uptake and modulation of antioxidative defense. <b>2019</b> , 121, 306-316	10
516	Evaluation of chromium phyto-toxicity, phyto-tolerance, and phyto-accumulation using biofuel plants for effective phytoremediation. <b>2019</b> , 21, 352-363	16
515	A 1,8 naphthalimide anchor rhodamine B based FRET probe for ratiometric detection of Cr <sup>3+</sup> ion in living cells. <b>2019</b> , 372, 49-58	17
514	Phytoremediation of Red Mud Deposits Through Natural Succession. <b>2019</b> , 409-424	12
513	Identifying the controlling mechanism of geogenic origin chromium release in soils. <b>2019</b> , 366, 169-176	11
512	Detection and discrimination of various oil-contaminated soils using vegetation reflectance. <b>2019</b> , 655, 1113-1124	15

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510	Chromium from Hydrolyzed Leather Affects Soybean Growth and Nodulation. <b>2019</b> , 29, 95-101	3
509	Chromate Reduction by Purple Non Sulphur Phototrophic Bacterium <i>Rhodobacter</i> sp. GSKRLMBKUâ Isolated from Pond Water. <b>2019</b> , 89, 259-265	3
508	Integrated tannery wastewater treatment for effluent reuse for irrigation: Encouraging water efficiency and sustainable development in developing countries. <b>2019</b> , 30, 100514	24
507	Ecological risk assessment of mercury and chromium in greenhouse soils. <b>2020</b> , 42, 313-324	10
506	Hexavalent chromium accumulation kinetics and physiological responses exhibited by <i>Eichhornia</i> sp. and <i>Pistia</i> sp.. <b>2020</b> , 17, 1397-1410	5
505	Phytoextraction technologies for mercury- and chromium-contaminated soil: a review. <b>2020</b> , 95, 317-327	38
504	Biochemical and Physiological Responses of Three Pomegranate ( <i>Punica granatum</i> L.) Cultivars Grown Under Cr6+ Stress. <b>2020</b> , 20, 1-11	1
503	Multi-approach analysis to assess the chromium(III) immobilization by <i>Ochrobactrum anthropi</i> DE2010. <b>2020</b> , 238, 124663	9
502	Imbalance of redox homeostasis and antioxidant defense status in maize under chromium (VI) stress. <b>2020</b> , 169, 103873	22
501	Hazards of bisphenol A (BPA) exposure: A systematic review of plant toxicology studies. <b>2020</b> , 384, 121488	55
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334	Recovery of chromium using membrane containing charged material. <b>2021</b> , 1146, 012022	
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328	Chromium Laden Soil, Water, and Vegetables nearby Tanning Industries: Speciation and Spatial Distribution. <b>2021</b> , 2021, 1-10	1
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326	MicroRNA-Mediated Responses to Chromium Stress Provide Insight Into Tolerance Characteristics of. <b>2021</b> , 12, 666117	3
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323	Risk assessment of heavy metals in rooibos ( <i>Aspalathus linearis</i> ) tea consumed in South Africa. <b>2021</b> , 28, 59687-59695	3
322	Phytoextraction of Heavy Metals by Various Vegetable Crops Cultivated on Different Textured Soils Irrigated with City Wastewater. <b>2021</b> , 5, 35	0
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