

# Muhammad Yar Khuhawar

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

1,884  
citations

257450

24  
h-index

315739

38  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2053  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Evaluation of hydrochemistry of the Dokri groundwater, including historical site Mohenjo-Daro, Sindh, Pakistan. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1892-1916.  | 3.3 | 22        |
| 2  | Fluorescent Carbon Dots and their Applications in Sensing of Small Organic Molecules. <i>Current Analytical Chemistry</i> , 2022, 18, 145-162.  | 1.2 | 5         |
| 3  | Gas Chromatographic and Spectrophotometric Determination of Diclofenac Sodium, Ibuprofen, and Mefenamic Acid in Urine and Blood Samples. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2020, 17, 465-473.   | 1.4 | 5         |
| 4  | Applications of copper nanoparticles for colorimetric detection of dithiocarbamate pesticides. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 77-93.   | 9.1 | 39        |
| 5  | Syntheses, characterization, in vitro antiglycation and DPPH radical scavenging activities of isatin salicylhydrazidehydrazone and its Mn (II), Co (II), Ni (II), Cu (II), and Zn (II) metal complexes. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2262-2269.                          | 4.9 | 22        |
| 6  | A simple and green deep eutectic solvent based air assisted liquid phase microextraction for separation, preconcentration and determination of lead in water and food samples by graphite furnace atomic absorption spectrometry. <i>Journal of Molecular Liquids</i> , 2018, 259, 220-226. | 4.9 | 81        |
| 7  | A highly selective and sensitive ultrasonic assisted dispersive liquid phase microextraction based on deep eutectic solvent for determination of cadmium in food and water samples prior to electrothermal atomic absorption spectrometry. <i>Food Chemistry</i> , 2018, 253, 277-283.      | 8.2 | 95        |
| 8  | Novel ultrasonic assisted deep eutectic solvent based dispersive liquid phase microextraction for determination of vanadium in food samples by electrothermal atomic absorption spectrometry: A multivariate study. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4144.              | 3.5 | 24        |
| 9  | Water quality assessment of Ramser site, Indus Delta, Sindh, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 492.   | 2.7 | 32        |
| 10 | Ultrasound assisted deep eutectic solvent based on dispersive liquid liquid microextraction of arsenic speciation in water and environmental samples by electrothermal atomic absorption spectrometry. <i>Journal of Molecular Liquids</i> , 2017, 242, 441-446.                            | 4.9 | 69        |
| 11 | HPLC Determination of Metformin, Famotidine and Ranitidine by Derivatization with Benzoin from Drugs and Biological Samples. <i>Pharmaceutica Analytica Acta</i> , 2017, 08, .  | 0.2 | 3         |
| 12 | Synthesis, Characterization and Biological Studies of New Linear Thermally Stable Schiff Base Polymers with Flexible Spacers. <i>Acta Chimica Slovenica</i> , 2016, 63, 113-120.  | 0.6 | 10        |
| 13 | HPLC determination of gamma amino butyric acid (GABA) and some biogenic amines (BAs) in controlled, germinated, and fermented brown rice by pre-column derivatization. <i>Journal of Cereal Science</i> , 2015, 64, 56-62.  | 3.7 | 21        |
| 14 | Solid Phase Extraction of Cu (I) by Bathocuproine Modified on Naphthalene Prior to Flame Atomic Absorption Spectrometric Determination. <i>Analytical Chemistry Letters</i> , 2015, 5, 183-191.   | 1.0 | 0         |
| 15 | Extraction and Determination of Phenolic Acids and Vitamin B of Sieved and Unsieved Wheat Grain by MEKC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 143-152.  | 1.0 | 5         |
| 16 | Determination of arsenic contents in groundwater of District Rahim Yar Khan Southern Punjab, Pakistan. <i>Arabian Journal of Geosciences</i> , 2015, 8, 10983-10994.  | 1.3 | 17        |
| 17 | GC analysis of guanidino compounds in serum and urine of healthy volunteers and uremic patients using methylglyoxal and ethyl chloroformate as derivatizing reagent. <i>Analytical Methods</i> , 2015, 7, 7724-7732.  | 2.7 | 0         |
| 18 | Spectrofluorimetric analysis of famotidine in pharmaceutical preparations and biological fluids by derivatization with benzoin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 449-452.  | 3.9 | 4         |

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|----|---|-----|-----------|
| 19 | Water quality and sediment assessment of Manchar Lake, Sindh, Pakistan: after effects of the super flood of 2010. <i>Arabian Journal of Geosciences</i> , 2015, 8, 3259-3283.   | 1.3 | 14        |
| 20 | Development of 2-acetylpyridine-4-phenyl-3-thiosemicarbazone functionalized polymeric resin for the preconcentration of metal ions prior to their ultratrace determinations by MIS-FAAS. <i>Turkish Journal of Chemistry</i> , 2014, 38, 553-567.   | 1.2 | 4         |
| 21 | Synthesis and characterisation of novel chelating resin for selective preconcentration and trace determination of Pb(II) ions in aqueous samples by innovative microsample injection system coupled flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 743-755. | 3.3 | 7         |
| 22 | Simultaneous HPLC determination of gamma amino butyric acid (GABA) and lysine in selected Pakistani rice varieties by pre-column derivatization with 2-Hydroxynaphthaldehyde. <i>Journal of Cereal Science</i> , 2014, 60, 356-360.   | 3.7 | 29        |
| 23 | Schiff Bases as Chelating Reagents for Metal Ions Analysis. <i>Current Analytical Chemistry</i> , 2014, 10, 393-417.  | 1.2 | 23        |
| 24 | Gas Chromatographic Determination of Guanidino Compounds Using Hexafluoroacetylacetone and Ethyl Chloroformate as Derivatizing Reagents. <i>Chromatographia</i> , 2013, 76, 85-90.  | 1.3 | 5         |
| 25 | HPLC DETERMINATION OF GUANIDINO COMPOUNDS IN SERUM OF UREMIC PATIENTS USING METHYLGLYOXAL AS DERIVATIZING REAGENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 2279-2291.  | 1.0 | 0         |
| 26 | Gas Chromatographic Analysis of Guanidino Compounds in Sera and Urine of Uremic Patients Using Glyoxal and Ethyl Chloroformate as Derivatizing Reagents. <i>Analytical Sciences</i> , 2013, 29, 221-226.  | 1.6 | 3         |
| 27 | Micellar Electrokinetic Chromatographic Separation/Determination of Uranium, Iron, Copper and Nickel from Environmental Ore Samples Using Bis(salicylaldehyde)meso-stilbenediimine as Chelating Reagent. <i>Asian Journal of Chemistry</i> , 2013, 25, 3719-3724.   | 0.3 | 5         |
| 28 | Gas Chromatographic Determination of Guanidino Compounds in Uremic Patients Using Glyoxal as Derivatizing Reagent. <i>Journal of Chromatographic Science</i> , 2012, 50, 380-386.   | 1.4 | 6         |
| 29 | Recycling of styrofoam waste: synthesis, characterization and application of novel phenyl thiosemicarbazone surface. <i>Polish Journal of Chemical Technology</i> , 2012, 14, 11-18.  | 0.5 | 7         |
| 30 | GC Determination of Famotidine, Ranitidine, Cimetidine, and Metformin in Pharmaceutical Preparations and Serum Using Methylglyoxal as Derivatizing Reagent. <i>Chromatographia</i> , 2012, 75, 1311-1317.   | 1.3 | 20        |
| 31 | A NOVEL HPLC METHOD FOR THE DETERMINATION OF ALPHA-KETO ACIDS IN HUMAN SERUM USING MESO STILLBENEDIAMINE AS DERIVATIZATION REAGENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 1245-1258.   | 1.0 | 2         |
| 32 | A Novel Micellar Electrokinetic Chromatographic Method for Separation of Metal-DDTC Complexes. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.  | 2.1 | 2         |
| 33 | Evaluation of sorption behavior of polymethylene-bis(2-hydroxybenzaldehyde) for Cu(II), Ni(II), Fe(III), Co(II) and Cd(II) ions. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 325-334.  | 2.4 | 8         |
| 34 | GC Analysis of Amino Acids Using Trifluoroacetylacetone and Ethyl Chloroformate as Derivatizing Reagents in Skin Samples of Psoriatic and Arsenicosis Patients. <i>Chromatographia</i> , 2011, 73, 701-708.   | 1.3 | 9         |
| 35 | Use of Orange Peel Waste for Arsenic Remediation of Drinking Water. <i>Waste and Biomass Valorization</i> , 2011, 2, 423-433.   | 3.4 | 38        |
| 36 | An Investigation of Quality of Groundwater of Taluka Nawabshah. <i>Pakistan Journal of Chemistry</i> , 2011, 1, 65-71.  | 0.1 | 6         |

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|----|---|------|-----------|
| 37 | Bis(isovalerylacetone)ethylenediimine Nickel(II) as Mixed Stationary Phase for Gas Chromatography. <i>Journal of Chromatographic Science</i> , 2010, 48, 303-309.   | 1.4  | 3         |
| 38 | HPLC DETERMINATION OF GUANIDINO COMPOUNDS IN SERUM OF UREMIC PATIENTS USING PYRIDOIN AS DERIVATIZING REAGENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1393-1404.   | 1.0  | 10        |
| 39 | Micellar electrokinetic chromatographic separation and analysis of thorium, uranium, gold, and mercury in environmental ore samples. <i>Acta Chromatographica</i> , 2010, 22, 405-417.  | 1.3  | 6         |
| 40 | MEKC determination of vanadium from mineral ore and crude petroleum oil samples using precapillary chelation with bis(salicylaldehyde)tetramethylâ€ethyleneediimine. <i>Journal of Separation Science</i> , 2009, 32, 3169-3177.                                      | 2.5  | 6         |
| 41 | Quantitative separation of oxytocin, norfloxacin and diclofenac sodium in milk samples using capillary electrophoresis. <i>Biomedical Chromatography</i> , 2009, 23, 1007-1013.   | 1.7  | 25        |
| 42 | Use of modified sorbent for the separation and preconcentration of chromium species from industrial waste water. <i>Journal of Hazardous Materials</i> , 2009, 163, 511-516.  | 12.4 | 47        |
| 43 | Cathodic stripping voltammetry of pipemidic acid and ofloxacin in pharmaceutical dosages and human urine. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 71-76.  | 2.2  | 5         |
| 44 | Capillary GC Analysis of Glyoxal and Methylglyoxal in the Serum and Urine of Diabetic Patients After Use of 2,3-Diamino-2,3-dimethylbutane as Derivatizing Reagent. <i>Chromatographia</i> , 2009, 70, 891-897.   | 1.3  | 18        |
| 45 | Determination of Tranexamic Acid Using Ethyl Chloroformate as Derivatizing Reagent in Pharmaceutical Preparations and Blood by GC. <i>Chromatographia</i> , 2009, 70, 1749-1754.  | 1.3  | 9         |
| 46 | Assessment of water quality of Manchar Lake in Sindh (Pakistan). <i>Environmental Monitoring and Assessment</i> , 2008, 141, 287-296.   | 2.7  | 43        |
| 47 | Determination of uranium, iron, copper, and nickel in rock and water samples by MEKC. <i>Journal of Separation Science</i> , 2008, 31, 3037-3044.   | 2.5  | 9         |
| 48 | Determination of uranium, iron, copper, and nickel from ore samples by MEKC using <b>ethylene bis(salicylalimine)</b> as complexing reagent. <i>Electrophoresis</i> , 2008, 29, 597-603.  | 2.4  | 10        |
| 49 | Capillary gas chromatographic determination of methylglyoxal from serum of diabetic patients by precolumn derivatization with 1,2-diamonopropane. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 15-19. | 2.3  | 21        |
| 50 | Efficiency of Cd(II) removal from aqueous media using chemically modified polystyrene foam. <i>European Polymer Journal</i> , 2008, 44, 1501-1511.  | 5.4  | 26        |
| 51 | Ethyl Chloroformate as a Derivatizing Reagent for Capillary GC Determination of Dopamine, Adrenaline, Putrescine, and Histamine. <i>Chromatographia</i> , 2008, 67, 847-851.  | 1.3  | 10        |
| 52 | Liquid chromatographic analysis of mercury(ii) and cadmium(ii) using dimethylglyoxal bis-(4-phenyl-3-thiosemicarbazone) as derivatizing reagent. <i>Acta Chromatographica</i> , 2008, 20, 25-41.  | 1.3  | 2         |
| 53 | Capillary Gas Chromatographic Determination of Methylglyoxal from Serum of Diabetic Patients by Precolumn Derivatization Using Meso-Stilbenediamine as Derivatizing Reagent. <i>Journal of Chromatographic Science</i> , 2008, 46, 539-543.                           | 1.4  | 13        |
| 54 | Ethyl Chloroformate as a Derivatizing Reagent for the Gas Chromatographic Determination of Isoniazid and Hydrazine in Pharmaceutical Preparations. <i>Analytical Sciences</i> , 2008, 24, 1493-1496.  | 1.6  | 15        |

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|----|--|------|-----------|
| 55 | PREPARATION AND CHARACTERIZATION OF SCHIFF BASE POLYMERS DERIVED FROM 4,4'-METHYLENEBIS(CINNAMALDEHYDE). Chinese Journal of Polymer Science (English Edition), 2007, 25, 399.  | 3.8  | 2         |
| 56 | The efficacy of nitrosonaphthol functionalized XAD-16 resin for the preconcentration/sorption of Ni(II) and Cu(II) ions. Talanta, 2007, 72, 1738-1745.   | 5.5  | 24        |
| 57 | Determination of glyoxal and methylglyoxal in the serum of diabetic patients by MEKC using stilbenediamine as derivatizing reagent. Electrophoresis, 2007, 28, 3940-3947.  | 2.4  | 36        |
| 58 | Palladium(II) chelate of tetradentate Schiff base as mixed stationary phase for gas chromatography. Journal of Separation Science, 2007, 30, 359-366.  | 2.5  | 4         |
| 59 | Capillary gas chromatographic analysis of pyrrolidinedithiocarbamate metal chelates. Journal of Separation Science, 2007, 30, 2727-2732.   | 2.5  | 3         |
| 60 | Sawdust—A green and economical sorbent for the removal of cadmium (II) ions. Journal of Hazardous Materials, 2007, 139, 116-121.   | 12.4 | 131       |
| 61 | Intramuscular fatty acid profile of longissimus dorsi and semitendinosus muscle from Kundi steers fed on pasture with cottonseed cake supplement. International Journal of Food Science and Technology, 2007, 42, 1007-1011. | 2.7  | 8         |
| 62 | Liquid chromatographic determination of vanadium in petroleum oils and mineral ore samples using 2-acetylpyridine-4-phenyl-3-thiosemicarbazone as derivatizing reagent. Talanta, 2006, 68, 535-541.                          | 5.5  | 25        |
| 63 | Sorption behavior of impregnated Styrofoam for the removal of Cd(II) ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 279, 142-148.   | 4.7  | 21        |
| 64 | Capillary gas chromatographic determination of phenylpropanolamine in pharmaceutical preparation. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 998-1001.   | 2.8  | 12        |
| 65 | Spectrophotometric determination of vanadium in crude oil. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 102, 236-240.  | 2.3  | 14        |
| 66 | Comparison of fatty acids and cholesterol content in the milk of Pakistani cow breeds. Journal of Food Composition and Analysis, 2006, 19, 698-703.  | 3.9  | 29        |
| 67 | Liquid Chromatographic Determination of Glyoxal and Methylglyoxal from Serum of Diabetic Patients using Meso-Stilbenediamine as Derivatizing Reagent. Analytical Letters, 2006, 39, 2205-2215.                               | 1.8  | 49        |
| 68 | Enrichment of Pb(II) ions using phthalic acid functionalized XAD-16 resin as a sorbent. Journal of Colloid and Interface Science, 2005, 291, 84-91.  | 9.4  | 61        |
| 69 | Preconcentration and separation of Cr(III) and Cr(VI) using sawdust as a sorbent. Analytical and Bioanalytical Chemistry, 2005, 383, 619-624.  | 3.7  | 45        |
| 70 | Liquid chromatographic determination of cis-platin as platinum(II) in pharmaceutical preparation, serum and urine samples of cancer patients. Talanta, 2005, 66, 34-39.  | 5.5  | 35        |
| 71 | Synthesis and characterization of some new Schiff base polymers. European Polymer Journal, 2004, 40, 805-809.  | 5.4  | 48        |
| 72 | Liquid Chromatography of Uranium Complexes of Tetradentate Schiff Bases. Analytical Sciences, 2004, 20, 1193-1197.   | 1.6  | 4         |

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|----|--|-----|-----------|
| 73 | Liquid chromatographic determination of $\beta$ -aminobutyric acid in cerebrospinal fluid using 2-hydroxynaphthaldehyde as derivatizing reagent. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 788, 413-418.                                   | 2.3 | 36        |
| 74 | Gas chromatographic analysis of chloride, bromide, and iodide as trifluoromethylmercury(II) nitrate derivatives. <i>Journal of Separation Science</i> , 2002, 25, 462-465.   | 2.5 | 2         |
| 75 | Capillary gas chromatography of metal chelates of diethyl dithiocarbamates. <i>Chromatographia</i> , 2002, 55, 349-352.  | 1.3 | 7         |
| 76 | Liquid chromatographic determination of isoniazid, pyrazinamide and rifampicin from pharmaceutical preparations and blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 766, 357-363.   | 2.3 | 95        |
| 77 | Gas and liquid chromatography of metal chelates of pentamethylene dithiocarbamate. <i>Journal of Chromatography A</i> , 2002, 973, 235-241.  | 3.7 | 17        |
| 78 | HPLC determination of tranexamic acid in pharmaceutical preparations and blood. <i>Chromatographia</i> , 2001, 53, 709-711.  | 1.3 | 21        |
| 79 | HPLC determination of phenylpropanolamine in pharmaceutical preparations using 4-dimethylaminobenzaldehyde as a derivatizing reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 331-336.  | 2.8 | 7         |
| 80 | The GC determination of cisplatin as platinum(II) from pharmaceutical preparations and blood sample of cancer patients. <i>Chromatographia</i> , 1999, 49, 249-252.  | 1.3 | 15        |
| 81 | Syntheses and thermoanalytical studies of some schiff base polymers derived from 5,5'-methylene bis(2-hydroxyacetophenone). <i>European Polymer Journal</i> , 1998, 34, 133-135.   | 5.4 | 14        |
| 82 | Platinum-selective capillary gas chromatographic determination with microwave-induced plasma atomic emission detection. <i>Journal of Chromatography A</i> , 1998, 824, 223-229.   | 3.7 | 11        |
| 83 | High performance liquid chromatographic separation and UV determination of cobalt, copper iron and platinum in pharmaceutical preparations using bis(isovalerylacetone)ethylenediimine as complexing reagent. <i>Mikrochimica Acta</i> , 1998, 129, 65-70.   | 5.0 | 14        |
| 84 | Liquid chromatographic determination of cobalt(II), copper(II) and iron(II) using 2-thiophenaldehyde-4-phenyl-3-thiosemicarbazone as derivatizing reagent. <i>Talanta</i> , 1998, 46, 485-490.   | 5.5 | 22        |
| 85 | Indirect liquid chromatographic determination of malathion in formulations, based on the formation of palladium(II)-dimethyldithiosphate complex. <i>Journal of Chromatography A</i> , 1997, 758, 159-162.   | 3.7 | 4         |
| 86 | Simultaneous high performance liquid chromatographic determination of vanadium, nickel, iron and copper in crude petroleum oils using bis(acetylpyvalylmethane)ethylenediimine as a complexing reagent. <i>Talanta</i> , 1996, 43, 767-770.  | 5.5 | 28        |
| 87 | Indirect liquid chromatographic determination of malathion based on copper(II) dimethyldithiophosphate complex formation. <i>Chromatographia</i> , 1996, 42, 680-682.  | 1.3 | 5         |
| 88 | Simultaneous solvent extraction and high-performance liquid chromatographic determination of uranium, iron, nickel and copper in mineral ore samples and phosphate rock residues using N,N'-ethylenebis(salicylaldimine) as complexing reagent. <i>Journal of Chromatography A</i> , 1996, 740, 296-301. | 3.7 | 21        |
| 89 | Nickel(II) chelates of some tetradentate Schiff bases as stationary phases for gas chromatography. <i>Journal of Chromatography A</i> , 1995, 715, 366-371.  | 3.7 | 15        |
| 90 | High-performance liquid chromatographic separation and determination of cobalt(II), cobalt(III) and iron(II) using bis(salicylaldehyde)tetramethylethylenediimine. <i>Journal of Chromatography A</i> , 1995, 695, 132-135.  | 3.7 | 15        |

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|----|---|-----|-----------|
| 91 | HPLC determination of copper(II), cobalt(II) and iron(II) in pharmaceutical preparations using 2-acetylpyridine-4-phenyl-3-thiosemicarbazone derivatizing agent. <i>Chromatographia</i> , 1995, 41, 236-237.                                  | 1.3 | 9         |
| 92 | High-performance liquid chromatographic determination of uranium using solvent extraction and bis(salicylaldehyde) tetramethylethylenediimine as complexing reagent. <i>Talanta</i> , 1995, 42, 1925-1929.                                    | 5.5 | 18        |
| 93 | High-performance liquid chromatographic determination of selenium in coal after derivatization to 2,1,3-benzoselenadiazoles. <i>Analyst</i> , The, 1992, 117, 1725.   | 3.5 | 10        |
| 94 | High performance liquid chromatographic determination of copper(II) and nickel(II) by using solvent extraction and bis(acetylpyvalylmethane)ethylenediimine as complexing reagent. <i>Talanta</i> , 1992, 39, 609-612.                        | 5.5 | 8         |
| 95 | Gas chromatography of chloride and bromide as phenylboronic acid/mercuric nitrate derivatives with microwave induced plasma atomic emission detection. <i>Journal of Chromatography A</i> , 1992, 594, 395-399.                               | 3.7 | 11        |
| 96 | Thermoanalytical and chromatographic studies of copper(II), nickel(II) and oxovanadium(IV) complexes of tetradentate Schiff bases derived from 1,2-diketones and 2,3-diaminopentane. <i>Journal of Chromatography A</i> , 1991, 558, 187-195. | 3.7 | 5         |
| 97 | Assessment of variation in water quality at Right Bank Outfall Drain, including Manchar lake, Sindh, Pakistan. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-23.  | 3.3 | 3         |