

# Amrita Malik

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

4,154  
citations

26  
h-index

43  
g-index

43  
ext. papers

4,602  
ext. citations

4.7  
avg, IF

5.27  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 43 | Multivariate statistical techniques for the evaluation of spatial and temporal variations in water quality of Gomti River (India)--a case study. <i>Water Research</i> , <b>2004</b> , 38, 3980-92                                   | 12.5 | 986       |
| 42 | Water quality assessment and apportionment of pollution sources of Gomti river (India) using multivariate statistical techniques-- case study. <i>Analytica Chimica Acta</i> , <b>2005</b> , 538, 355-374                            | 6.6  | 588       |
| 41 | Studies on distribution and fractionation of heavy metals in Gomti river sediments-- tributary of the Ganges, India. <i>Journal of Hydrology</i> , <b>2005</b> , 312, 14-27  | 6    | 432       |
| 40 | Artificial neural network modeling of the river water quality--a case study. <i>Ecological Modelling</i> , <b>2009</b> , 220, 888-895  | 3    | 388       |
| 39 | Liquid-phase adsorption of phenols using activated carbons derived from agricultural waste material. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 150, 626-41   | 12.8 | 154       |
| 38 | Distribution of polycyclic aromatic hydrocarbons in water and bed sediments of the Gomti River, India. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 172, 529-45  | 3.1  | 139       |
| 37 | Chemometric analysis of groundwater quality data of alluvial aquifer of Gangetic plain, North India. <i>Analytica Chimica Acta</i> , <b>2005</b> , 550, 82-91  | 6.6  | 124       |
| 36 | Estimation of Source of Heavy Metal Contamination in Sediments of Gomti River (India) using Principal Component Analysis. <i>Water, Air, and Soil Pollution</i> , <b>2005</b> , 166, 321-341   | 2.6  | 118       |
| 35 | Levels and distribution of persistent organochlorine pesticide residues in water and sediments of Gomti River (India)--a tributary of the Ganges River. <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 148, 421-35   | 3.1  | 97        |
| 34 | JNK pathway signaling: a novel and smarter therapeutic targets for various biological diseases. <i>Future Medicinal Chemistry</i> , <b>2015</b> , 7, 2065-86   | 4.1  | 92        |
| 33 | Persistent organochlorine pesticide residues in soil and surface water of northern Indo-Gangetic alluvial plains. <i>Environmental Monitoring and Assessment</i> , <b>2007</b> , 125, 147-55   | 3.1  | 85        |
| 32 | Chemometric data analysis of pollutants in wastewater-- case study. <i>Analytica Chimica Acta</i> , <b>2005</b> , 532, 15-25   | 6.6  | 76        |
| 31 | Linear and nonlinear modeling for simultaneous prediction of dissolved oxygen and biochemical oxygen demand of the surface water --A case study. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2010</b> , 104, 172-180 | 3.8  | 69        |
| 30 | Evaluation of groundwater quality in northern Indo-Gangetic alluvium region. <i>Environmental Monitoring and Assessment</i> , <b>2006</b> , 112, 211-30  | 3.1  | 66        |
| 29 | Receptor modeling for source apportionment of polycyclic aromatic hydrocarbons in urban atmosphere. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 136, 183-96   | 3.1  | 59        |
| 28 | Modeling the performance of "up-flow anaerobic sludge blanket" reactor based wastewater treatment plant using linear and nonlinear approaches--a case study. <i>Analytica Chimica Acta</i> , <b>2010</b> , 658, 1-11                 | 6.6  | 54        |
| 27 | Distribution of persistent organochlorine pesticide residues in Gomti River, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2005</b> , 74, 146-54   | 2.7  | 53        |

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| 26 | Partial least squares and artificial neural networks modeling for predicting chlorophenol removal from aqueous solution. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 99, 150-160  | 3.8  | 50 |
| 25 | Distribution of polycyclic aromatic hydrocarbons in Gomti river system, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2004</b> , 72, 1211-8  | 2.7  | 36 |
| 24 | Hydrochemistry of wet atmospheric precipitation over an urban area in northern indo-gangetic plains. <i>Environmental Monitoring and Assessment</i> , <b>2007</b> , 131, 237-54  | 3.1  | 35 |
| 23 | Persistent organochlorine pesticide residues in alluvial groundwater aquifers of Gangetic Plains, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2005</b> , 74, 162-9   | 2.7  | 35 |
| 22 | Extension and application of multivariate curve resolution-alternating least squares to four-way quadrilinear data-obtained in the investigation of pollution patterns on Yamuna River, India--A case study. <i>Analytica Chimica Acta</i> , <b>2013</b> , 794, 20-8 | 6.6  | 34 |
| 21 | Multi-way data analysis of soils irrigated with wastewater--a case study. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2006</b> , 83, 1-12  | 3.8  | 32 |
| 20 | Multi-way partial least squares modeling of water quality data. <i>Analytica Chimica Acta</i> , <b>2007</b> , 584, 385-96  | 6.6  | 31 |
| 19 | Iron-induced oxidative stress in a macrophyte: a chemometric approach. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 585-95  | 7    | 29 |
| 18 | Distribution of nitrogen species in groundwater aquifers of an industrial area in alluvial Indo-Gangetic Plains--a case study. <i>Environmental Geochemistry and Health</i> , <b>2006</b> , 28, 473-85   | 4.7  | 26 |
| 17 | Residues of organochlorine pesticides in fish from the Gomti river, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2007</b> , 78, 335-40  | 2.7  | 24 |
| 16 | Distribution of polycyclic aromatic hydrocarbons in edible fish from Gomti river, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2008</b> , 80, 134-8   | 2.7  | 24 |
| 15 | Multi-way modeling of hydro-chemical data of an alluvial river system--a case study. <i>Analytica Chimica Acta</i> , <b>2006</b> , 571, 248-59   | 6.6  | 23 |
| 14 | Occurrence and distribution of persistent trace organics in rainwater in an urban region (India). <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2007</b> , 79, 639-45   | 2.7  | 22 |
| 13 | chemometric analysis of hydro-chemical data of an alluvial river --a case study. <i>Water, Air, and Soil Pollution</i> , <b>2006</b> , 170, 383-404  | 2.6  | 22 |
| 12 | Multivariate modeling of chromium-induced oxidative stress and biochemical changes in plants of Pistia stratiotes L. <i>Ecotoxicology</i> , <b>2009</b> , 18, 555-66   | 2.9  | 21 |
| 11 | Multi-way data modeling of heavy metal fractionation in sediments from Gomti River (India). <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2007</b> , 87, 185-193   | 3.8  | 18 |
| 10 | Exploring the interaction between O <sub>3</sub> and NO <sub>x</sub> pollution patterns in the atmosphere of Barcelona, Spain using the MCR-ALS method. <i>Science of the Total Environment</i> , <b>2015</b> , 517, 151-61  | 10.2 | 17 |
| 9  | Performance and validation of MCR-ALS with quadrilinear constraint in the analysis of noisy datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 135, 223-234  | 3.8  | 17 |

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| 8 | Exploring groundwater hydrochemistry of alluvial aquifers using multi-way modeling. <i>Analytica Chimica Acta</i> , <b>2007</b> , 596, 171-82   | 6.6  | 14 |
| 7 | Transcriptomic, biochemical and individual markers in transplanted <i>Daphnia magna</i> to characterize impacts in the field. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 200-12 | 10.2 | 12 |
| 6 | Multi-way modeling of wastewater data for performance evaluation of sewage treatment plant—a case study. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 95, 18-30             | 3.8  | 12 |
| 5 | Multivariate Curve Resolution: A Different Way To Examine Chemical Data. <i>ACS Symposium Series</i> , <b>2015</b> , 95-128   | 0.4  | 11 |
| 4 | Vertical characterization of soil contamination using multi-way modeling—a case study. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 146, 19-32                                      | 3.1  | 9  |
| 3 | Multi-Block Data Modeling for Characterization of Soil Contamination: A Case Study. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 185, 79-93  | 2.6  | 8  |
| 2 | Chemometrics assisted spectrophotometric determination of pyridine in water and wastewater. <i>Analytica Chimica Acta</i> , <b>2008</b> , 630, 10-8   | 6.6  | 8  |
| 1 | Exploring the disruptive effects of TBT on lipid homeostasis of <i>Daphnia magna</i> using chemometric methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 159, 58-68     | 3.8  | 4  |