

# Melek Sacan

## List of Publications by Year in Descending Order

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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.

39  
papers

676  
citations

16  
h-index

25  
g-index

39  
ext. papers

748  
ext. citations

5.4  
avg, IF

4.42  
L-index

#	Paper	IF	Citations
39	Chemometric Modeling of Algal Toxicity <b>2021</b> , 275-291		
38	Assessments of Algal Toxicity and PBT Behaviour of Pesticides with No Eco-toxicological Data: Predictive Ability of QSA/(T)R Models. <i>Molecular Informatics</i> , <b>2019</b> , 38, e1800137	3.8	3
37	Predicting Cytotoxicity and Enzymatic Activity of Diverse Chemicals Using Goldfish Scale Tissue and Topminnow Hepatoma Cell Line-based Data. <i>Molecular Informatics</i> , <b>2019</b> , 38, e1800127	3.8	2
36	Revisiting fish toxicity of active pharmaceutical ingredients: Mechanistic insights from integrated ligand-/structure-based assessments on acetylcholinesterase. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 170, 548-558	7	5
35	Understanding the toxic potencies of xenobiotics inducing TCDD/TCDF-like effects. <i>SAR and QSAR in Environmental Research</i> , <b>2018</b> , 29, 117-131	3.5	7
34	Toxicity of contaminants of emerging concern to <i>Dugesia japonica</i> : QSTR modeling and toxicity relationship with <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , <b>2018</b> , 351, 20-28	12.8	20
33	A multipronged QSAR approach to predict algal low-toxic-effect concentrations of substituted phenols and anilines. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 893-901	12.8	15
32	On the prediction of cytotoxicity of diverse chemicals for topminnow ( <i>Poeciliopsis lucida</i> ) hepatoma cell line, PLHC-1. <i>SAR and QSAR in Environmental Research</i> , <b>2018</b> , 29, 675-691	3.5	0
31	Bacterial cellulose production by <i>Komagataeibacter hansenii</i> using algae-based glucose. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 11154-11162	5.1	23
30	On the aquatic toxicity of substituted phenols to <i>Chlorella vulgaris</i> : QSTR with an extended novel data set and interspecies models. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 339, 122-130	12.8	36
29	Renewable fuels from pyrolysis of <i>Dunaliella tertiolecta</i> : An alternative approach to biochemical conversions of microalgae. <i>Energy</i> , <b>2017</b> , 120, 907-914	7.9	35
28	Impact of geometry optimization methods on QSAR modelling: A case study for predicting human serum albumin binding affinity. <i>SAR and QSAR in Environmental Research</i> , <b>2017</b> , 28, 491-509	3.5	9
27	An in silico algal toxicity model with a wide applicability potential for industrial chemicals and pharmaceuticals. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 1012-1019	3.8	9
26	An in silico approach to cytotoxicity of pharmaceuticals and personal care products on the rainbow trout liver cell line RTL-W1. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 1162-1169	3.8	6
25	Single and mixture toxicity of pharmaceuticals and chlorophenols to freshwater algae <i>Chlorella vulgaris</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 129, 189-98	7	86
24	QSAR models for antioxidant activity of new coumarin derivatives. <i>SAR and QSAR in Environmental Research</i> , <b>2015</b> , 26, 721-37	3.5	9
23	Comparative performance of descriptors in a multiple linear and Kriging models: a case study on the acute toxicity of organic chemicals to algae. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11924-32	5.1	4

22	Molecular structure-adsorption study on current textile dyes. <i>SAR and QSAR in Environmental Research</i> , <b>2014</b> , 25, 983-98	3.5	3
21	Assessment and modeling of the novel toxicity data set of phenols to <i>Chlorella vulgaris</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 90, 61-8	7	24
20	Quantitative structure-activity relationships (QSARs) using the novel marine algal toxicity data of phenols. <i>Journal of Molecular Graphics and Modelling</i> , <b>2012</b> , 38, 90-100	2.8	30
19	First toxicity data of chlorophenols on marine alga <i>Dunaliella tertiolecta</i> : correlation of marine algal toxicity with hydrophobicity and interspecies toxicity relationships. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 1113-20	3.8	30
18	QSTR modelling of the acute toxicity of pharmaceuticals to fish. <i>SAR and QSAR in Environmental Research</i> , <b>2012</b> , 23, 297-310	3.5	25
17	Modelling the relative toxicity of metals on respiration of nitrifiers using ion characteristics. <i>SAR and QSAR in Environmental Research</i> , <b>2009</b> , 20, 727-40	3.5	1
16	Water quality and heavy metal monitoring in water and sediment samples of the Kızılirmakmece Lagoon, Turkey (2002-2003). <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 151, 345-62	3.1	17
15	Merits of ozonation and catalytic ozonation pre-treatment in the algal treatment of pulp and paper mill effluents. <i>Journal of Environmental Management</i> , <b>2007</b> , 85, 918-26	7.9	35
14	Interaction between a synthetic dye bath and selenium in their toxicity to <i>Dunaliella tertiolecta</i> under two light intensities. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2007</b> , 78, 142-6	2.7	4
13	Exposure of <i>Dunaliella tertiolecta</i> to lead and aluminum: toxicity and effects on ultrastructure. <i>Biological Trace Element Research</i> , <b>2007</b> , 120, 264-72	4.5	53
12	QSPR analysis of the toxicity of aromatic compounds to the algae ( <i>Scenedesmus obliquus</i> ). <i>Chemosphere</i> , <b>2007</b> , 68, 695-702	8.4	11
11	A case study on algal response to raw and treated effluents from an aluminum plating plant and a pharmaceutical plant. <i>Ecotoxicology and Environmental Safety</i> , <b>2006</b> , 64, 234-43	7	16
10	Investigation on the aromaticity of 1,3,4-thiadiazole-2-thione and its oxygen analogs including their tautomeric forms. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 726, 233-243		17
9	Physico-chemical properties of PCDD/PCDFs and phthalate esters. <i>SAR and QSAR in Environmental Research</i> , <b>2005</b> , 16, 443-59	3.5	22
8	QSPR study on the bioconcentration factors of nonionic organic compounds in fish by characteristic root index and semiempirical molecular descriptors. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2004</b> , 44, 985-92		24
7	Bioaccumulation of Aluminium in <i>Dunaliella tertiolecta</i> in Natural Seawater: Aluminium?Metal (Cu, Pb, Se) Interactions and Influence of pH. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2001</b> , 66, 214-221	2.7	7
6	Bioaccumulation of aluminium in <i>Dunaliella tertiolecta</i> in natural seawater: aluminium-metal (Cu, Pb, Se) interactions and influence of pH. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2001</b> , 66, 214-21	2.7	6
5	Homogenous and heterogenous advanced oxidation of two commercial reactive dyes. <i>Environmental Technology (United Kingdom)</i> , <b>2001</b> , 22, 813-22	2.6	49

4	Laboratory bioaccumulation of copper, lead and selenium in the marine alga <i>dunaliella tertiolecta</i> metal pair situation. <i>Toxicological and Environmental Chemistry</i> , <b>2000</b> , 76, 17-27	1.4	3
3	Estimation of liquid vapor pressures for low-volatility environmental chemicals. <i>Chemosphere</i> , <b>1998</b> , 36, 451-460	8.4	4
2	Prediction of the soil sorption coefficient of organic pollutants by the characteristic root index model. <i>Chemosphere</i> , <b>1996</b> , 32, 1993-2001	8.4	13
1	Application of the characteristic root index model to the estimation of N-octanol/water partition coefficients. polychlorinated biphenyls. <i>Chemosphere</i> , <b>1995</b> , 30, 39-50	8.4	13