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A kinetics and thermodynamics study of methylene blue adsorption on wheat shells

DOI: 10.1016/j.desal.2005.10.032  
Desalination, 2006, 194, 259-267.

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891	Adsorption of copper ion on magnetite-immobilised chitin. <b>2007</b> , 56, 135-43		9
890	Sono-sorption as a new method for the removal of methylene blue from aqueous solution. <b>2007</b> , 14, 599-604		39
889	Preparation of activated carbon from a renewable bio-plant of <i>Euphorbia rigida</i> by H <sub>2</sub> SO <sub>4</sub> activation and its adsorption behavior in aqueous solutions. <b>2007</b> , 253, 4843-4852		221
888	Equilibrium and kinetics studies for adsorption of direct blue 71 from aqueous solution by wheat shells. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 144, 300-6	12.8	122
887	Simulation of methylene blue adsorption by salts-treated beech sawdust in batch and fixed-bed systems. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 149, 8-17	12.8	53
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883	Adsorption kinetics and mechanism of maxilon blue 5G dye on sepiolite from aqueous solutions. <b>2008</b> , 139, 213-223		183
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541	Preparation and adsorption property of xylan/poly(acrylic acid) magnetic nanocomposite hydrogel adsorbent. <b>2015</b> , 118, 16-23	122
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539	Manganese ferrite nanoparticle: Synthesis, characterization, and photocatalytic dye degradation ability. <b>2015</b> , 53, 84-90	68
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537	Adsorption Kinetics and Thermodynamics of Auramine-O on Sugarcane Leaf-Based Activated Carbon. <b>2015</b> , 36, 1257-1263	6
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533	Adsorption of Methylene Blue from Aqueous Solution by Crosslinked Chitosan/Bentonite Composite. <b>2015</b> , 36, 61-67	75

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4 <sup>18</sup>	Effects of oxygen vacancy and sintering temperature on the photoluminescence properties and photocatalytic activity of CeO <sub>2</sub> nanoparticles with high uniformity. <b>2018</b> , 33, 321-332		20
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4 <sup>16</sup>	Optimization of banana trunk-activated carbon production for methylene blue-contaminated water treatment. <b>2018</b> , 8, 1		27
4 <sup>15</sup>	Removal of the residual xanthate from flotation plant tailings using modified bentonite. <b>2018</b> , 119, 1-10		30
4 <sup>14</sup>	Radiation grafting: A voyage from bio-waste corn husk to an efficient thermostable adsorbent. <b>2018</b> , 183, 151-164		12
4 <sup>13</sup>	Adsorption and interactions of the bovine serum albumin-double walled carbon nanotube system. <b>2018</b> , 252, 1-8		21
4 <sup>12</sup>	Nano-adsorbents based on conducting polymer nanocomposites with main focus on polyaniline and its derivatives for removal of heavy metal ions/dyes: A review. <i>Environmental Research</i> , <b>2018</b> , 162, 173-199	79	291
4 <sup>11</sup>	Adsorption characteristics of phosphoric acid induced activation of bio-carbon: Equilibrium, kinetics, thermodynamics and batch adsorber design. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 117, 125-142	5.5	26
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4 <sup>09</sup>	Polypyrrole-coated cotton textile as adsorbent of methylene blue dye. <b>2018</b> , 72, 1605-1618		32
4 <sup>08</sup>	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. <b>2018</b> , 5, 035058		3
4 <sup>07</sup>	Adsorption of a cationic dye (methylene blue) by Iranian natural clays from aqueous solutions: equilibrium, kinetic and thermodynamic study. <b>2018</b> , 77, 1		18

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404	Preparation, characterization, and dye removal study of activated carbon prepared from palm kernel shell. <b>2018</b> , 25, 5076-5085		45
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401	The removal of fluoride from aqueous solution by a lateritic soil adsorption: Kinetic and equilibrium studies. <b>2018</b> , 149, 166-172		48
400	Artificial intelligence for the removal of benzene, toluene, ethyl benzene and xylene (BTEX) from aqueous solutions using iron nanoparticles. <b>2018</b> , 18, 1650-1663		16
399	Hybrid central composite design for simultaneous optimization of removal of methylene blue and alizarin red S from aqueous solutions using Vitis tree leaves. <b>2018</b> , 32, e2960		8
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395	A Study on Adsorption Capacity of Activated Carbons through Analysis of Variance (Anova). <b>2018</b> , 7, 449		
394	Utilizing Lipid-extracted Microalgae Residue for Removal of Methylene Blue from Aqueous Solution. <b>2018</b> , 458, 012039		1
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392	A study of kinetics and thermodynamics of methylene blue adsorption onto the Yellow River bottom sediment. <b>2018</b> , 49, 1392-1398		2
391	Comparison of novel Ziziphus lotus adsorbent and industrial carbon on methylene blue removal from aqueous solutions. <b>2018</b> , 78, 2055-2063		3
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386	Brilliant green dye adsorption onto composite snail shell/lime husk: Adsorption isotherm, kinetic, mechanistic, and thermodynamics analysis. <b>2018</b> , 28, 63-78	10
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384	Remediation of Water Contaminants. <b>2018</b> , 1-19	1
383	Selective adsorption of organic dyes by porous hydrophilic silica aerogels from aqueous system. <b>2018</b> , 78, 402-414	22
382	Sorption of malachite green (MG) by cassava stem biochar (CSB) kinetic and isotherm studies. <b>2018</b> , 9, 273	2
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36	Removal of methylene blue dye from aqueous solution using pure talc and polyacrylamide/talc composite: isotherms, kinetic and thermodynamic studies.	0
35	Synthesis of Zn <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> , Mn <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> , Mg <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> , Cu <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> and Ca <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> via co-precipitation method and their application for treatment of textile wastewater.	0
34	Textural Properties and Adsorption Behavior of Zn-Mg-Al Layered Double Hydroxide Upon Crystal Violet Dye Removal as a Low Cost, Effective, and Recyclable Adsorbent.	0
33	Development of Azo Dye Immobilized Sulfonated Poly (Glycidyl Methacrylate) Polymer Composite as Novel Adsorbents for Water Treatment Applications: Methylene Blue Immobilization Isotherm, Kinetic, Thermodynamic, and Simulations Studies. <b>2022</b> , 27, 8418	0
32	Starch Biocryogel for Removal of Methylene Blue by Batch Adsorption. <b>2022</b> , 14, 5543	0
31	Sulfonated PVA microspheres for drug delivery and simulated body fluid interaction. 1-12	0
30	Multifunctional photocatalyst of graphitic carbon embedded with Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> nanocrystals derived from lichen for efficient photodegradation of tetracycline and methyl blue. 1-22	0
29	Removal of fluoroquinolone antibiotics by adsorption of dopamine-modified biochar aerogel. <b>2023</b> , 40, 215-222	0

- 28 Water Purification Through Adsorption of Organic Pollutant onto Novel and Effective Phosphorus-Containing g-C<sub>3</sub>N<sub>4</sub>/FeMo<sub>0.5</sub>O<sub>3</sub> Nanocomposites. **2023**, 234, ○
- 27 Adsorption study of Methylene blue dye: an effluents from local textile industry using Pennisteam pupureum (elephant grass). 1-11 ○
- 26 Charcoal and Sago Bark Ash Regulates Ammonium Adsorption and Desorption in an Acid Soil. **2023**, 15, 1368 ○
- 25 Preparation of nano zero-valent aluminum for one-step removal of methylene blue from aqueous solutions: cost analysis for scaling-up and artificial intelligence. **2023**, 13, ○
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- 13 Synthesis Approach and Adsorption Properties of SiOC Nanocomposite by Chitin Templating. **2022**, 37, 1041-1047 ○
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- 3 Facile preparation of chitosan-coated biomass-based magsorbent beads for effective uptake of methylene blue from aqueous solution. ○
- 2 A Novel Green Synthesis of Zinc Sulfide Nano-Adsorbents Using Artemisia Herba Alba Plant Extract for Adsorption and Photocatalysis of Methylene Blue Dye. ○
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