

Resource Summary Report

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Design-Expert

RRID:SCR_022671

Type: Tool

Proper Citation

Design-Expert (RRID:SCR_022671)

Resource Information

URL: <https://www.statease.com/software/design-expert/>

Proper Citation: Design-Expert (RRID:SCR_022671)

Description: Statistical software package from Stat-Ease Inc. to perform design of experiments. Offers comparative tests, screening, characterization, optimization, robust parameter design, mixture designs and combined designs.

Resource Type: software resource, software application, data analytics software

Keywords: Stat-Ease Inc., experiments design, comparative tests, screening, characterization, optimization, parameter design, mixture designs, combined designs

Availability: Restricted

Resource Name: Design-Expert

Resource ID: SCR_022671

Record Creation Time: 20220816T050146+0000

Record Last Update: 20260804T043805+0000

Ratings and Alerts

No rating or validation information has been found for Design-Expert.

No alerts have been found for Design-Expert.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Bhuyan A, et al. (2025) Hydrolyzed MOF based Mo@h-ZIF-8/ZnS composite for enhanced photodegradation of dye pollutants using a combined experimental and RSM approach. Scientific reports, 15(1), 30181.

Arabloo F, et al. (2025) Optimization of PES-based Hollow fiber membranes incorporating MgO-modified activated carbon via response surface methodology for enhanced pure water permeability. Scientific reports, 15(1), 30044.

Prabhakar M, et al. (2025) Optimization of thermal barrier coating with induced copper oxide nanoparticles in CI engine using algae methyl ester as fuel. Scientific reports, 15(1), 21221.

Abbasi F, et al. (2025) RSM optimization and morphological investigation of bismuth ferrite for photodegradation of organic pollutant under visible light. Scientific reports, 15(1), 30920.

Karalar M, et al. (2025) Simultaneous effects of temperature, holding time and thickness on bending springback of DP1000 steel: experiments and statistical analysis. Scientific reports, 15(1), 37192.

Serag A, et al. (2025) Central composite design optimized fluorescent method using dual doped graphene quantum dots for lacosamide determination in biological samples. Scientific reports, 15(1), 36507.

Amirvaresi A, et al. (2025) Multi-response optimization of defined and undefined serum-free media for enhanced proliferation of immortalized lamb muscle cells. Scientific reports, 15(1), 43612.

Ramana I, et al. (2025) Synergistic effects of fly ash and graphene oxide composites at high temperatures and prediction using ANN and RSM approach. Scientific reports, 15(1), 1604.

Chettupalli AK, et al. (2025) Design, development, and preclinical evaluation of pirfenidone-loaded nanostructured lipid carriers for pulmonary delivery. Scientific reports, 15(1), 11390.

Yeneneh K, et al. (2025) Sustainable biodiesel production from cottonseed oil using a nickel-doped eggshell heterogeneous catalyst optimized via response surface methodology. Scientific reports, 15(1), 32132.

El-Naggar NE, et al. (2025) Biofabrication, statistical optimization, and characterization of collagen nanoparticles synthesized via Streptomyces cell-free system for cancer therapy. Scientific reports, 15(1), 43835.

Demiray H, et al. (2025) Optimization of betulinic and ursolic acids and phenolics extraction from endemic Rosa pisiformis using Box-Behnken design in relation to cytotoxic

activities. Scientific reports, 15(1), 1228.

Khan N, et al. (2025) Optimizing coconut fiber-modified hot mix asphalt for enhanced mechanical performance using response surface methodology. Scientific reports, 15(1), 15098.

Thirupathi S, et al. (2025) Optimization of thermal properties of palm fiber and nanofillers reinforced epoxy nanocomposite. Scientific reports, 15(1), 21582.

Wang C, et al. (2025) Oil removal from wastewater with biomass-derived hydrochars laboratory insights. Scientific reports, 15(1), 22176.

Al-Janabi SK, et al. (2025) Microwave-assisted enhanced activation of date palm leaf char for optimized CO₂ adsorption. Scientific reports, 15(1), 34928.

Saeed H, et al. (2025) Optimization and characterization studies of poultry waste valorization for peptone production using a newly Egyptian *Bacillus subtilis* strain. AMB Express, 15(1), 9.

Zonoubi S, et al. (2025) H₂-free hydrodeoxygenation of microalgae biomass using Pd-Ni/?-Al₂O₃ bimetallic nanocatalyst in the supercritical environment. Scientific reports, 15(1), 19716.

Rao TSSB, et al. (2025) Advanced prediction and optimization of VCR engine characteristics using RSM with DFA for sustainable biofuel derived from waste lemon Peel. Scientific reports, 15(1), 34661.

Praveen K, et al. (2025) Development and evaluation of a battery powered harvester for sustainable leafy vegetable cultivation. Scientific reports, 15(1), 33812.