

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: data analytics software, software application, software resource

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: 20260821T194238+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 52 mentions in open access literature.

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

Ghavipankeh F, et al. (2026) Fabrication of cation exchange sponges based on melamine-formaldehyde sponges. Scientific reports, 16(1), 3503.

Kurzekar AS, et al. (2026) Mechanical and durability performance of optimized geopolymer concrete with manufactured artificial aggregates using a tailored mix design method. Scientific reports, 16(1), 6853.

Fergany SN, et al. (2026) Harnessing *Bacillus velezensis* for enhanced protease biosynthesis: optimization, purification, and kinetic profiling. BMC microbiology, 26(1).

Zegeye MG, et al. (2026) Removal of chromium from textile wastewater using corncob-derived activated carbon in an industrial case study at MAA garment. Scientific reports, 16(1).

Al-Wasidi AS, et al. (2026) Breakthrough RP-HPLC strategy for synchronous analysis of pyridine and its degradation products in powder for injection using quality metrics. Scientific reports, 16(1), 1344.

Hafez ZH, et al. (2026) Valorization of fruit pomaces for glycosidic enzymes production via solid state fermentation. Scientific reports, 16(1).

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.

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.

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.

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.

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

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.

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

Prabhahar 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.

Kole E, et al. (2025) Fabrication and optimization of freeze-dried isoniazid-loaded poly- ϵ -caprolactone nanoparticles. *ADMET & DMPK*, 13(4), 2774.

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.

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.

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.