

# Monotonic dose-response testing for Nanomaterial toxicity

**Commonly used acronym:** NMTox

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## SCOPE OF THE METHOD

<b>The Method relates to</b>	Animal health, Human health
<b>The Method is situated in</b>	Basic Research, Translational - Applied Research
<b>Type of method</b>	In silico

## DESCRIPTION

### Method keywords

data exploration

dose response

monotonic trend

## Scientific area keywords

nanomaterials

## Method description

NMTox is an R-software package and a Shiny app that can be used to explore and subset large datasets and can identify and test for monotonic dose responses. The package was developed within the NanoInformaTIX project where a platform is developed that aims to predict nanomaterial toxicity.

## Method status

Internally validated

## PROS, CONS & FUTURE POTENTIAL

### Advantages

Versatile tool to be used for several applications.

### Challenges

Learning curve if the R-package is used.

## REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

### Links

[Dose-response modelling for NanoInformatics toxicity](#)

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