

Commentary Open Access

## Skin toxicology: There Models in Toxicology

## Akira Sugawara'

Faculty of Pharmaceutical Sciences, University of Tokyo, Japan

## **Abstract**

Our skin is exposed daily to substances; many of these are neutral and safe but others are potentially harmful. In order to estimate the degree of toxicity and damage to skin tissues when exposed to harmful substances, skin toxicology studies are required. If these studies are coupled with suitably designed mathematical models, they can provide a powerful tool that allows appropriate interpretation of data. This work reviews mathematical models that can be employed in skin toxicology studies. Areas covered: Two types of mathematical models and their suitability for assessing skin toxicology are covered in this review.

: Skith; Layar and odels and 🖂 🖂 🖂

E : Mathematical models are an important tool for

## References

- Kandarova H, Hayden PJ.(2021) Standardised Reconstructed Skin Models in Toxicology and Pharmacology: State of the Art and Future Development. Handb Exp Pharmacol 57-71.
- 2. Li YF, Ouyang SH, Tu LF, Wang X, Yuan WL, et al. (2018) Cafeine Protects Skitopfinagry. O'Xideatives 13tts 455741365073391 Senescence through the Activation of
- Bertero A, Augustyniak J, Buzanska L, Caloni F(2019) Species-specifc models in toxicology: in vitro epithelial barriers Environ Toxicol Pharmacol 103-203.
- 4. **Sebitalidi**tét þástaðironv síðjelbirób fælddNusibas: (22015)) a Eantraynisining plæeatikædið titkýcof
- Aptialeningil@glyBeridyp@pidolegiosidlgenid@Byvi8midhelstatt@sl/tottka/Usalcolutegteining Toxicol Sci 122: 223-234.

\*Corresponding author: Akira Sugawara, Faculty of Pharmaceutical Sciences, University of Tokyo, Japan, E-mail: sugawara55univtok@yandex.com

Received: 16-Feb-2022, Manuscript No. tyoa-22-58285; **និង្សាមានសំ**ed**ត៌១២១Pô** 17-Mar-2022, DOI: 10.4172/2476-2067.1000173

**Citation:** Sugawara A (2022) Skin toxicology: There Models in Toxicology. Toxicol Open Access 8: 173.

Copyright: © 2022 Sugawara A. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.