

# **Design and advanced computational approaches based comprehensive structural parametric investigations of rotary-wing UAV imposed with conventional and hybrid computational composite materials: A validated investigation**

*Elsayed Mohamed Tag Eldin ,Vijayanandh Raja<sup>1</sup>, www.frontiersin.orgHussein A. Z. AL-bonsrulah<sup>2,3</sup>, www.frontiersin.orgRaj Kumar Gnanasekaran<sup>1</sup>, www.frontiersin.orgSayed M. Eldin<sup>4\*</sup>, www.frontiersin.orgParvathy Rajendran<sup>5,6</sup>, www.frontiersin.orgBalamurali Baskaran<sup>7</sup> and www.frontiersin.orgPradessh Sakthivel<sup>8</sup>*

## **Abstract**

<https://www.frontiersin.org/articles/10.3389/fmats.2023.1096839/full>

*Frontiers in Materials 2023, January*