**Title of the Paper (Arial 14 bold)**

**Author1, Author2\*, Author3 (Arial 12 bold)**

1Complete Affiliation details

2Complete Affiliation details

3Complete Affiliation details

**ABSTRACT**

*Arial 11 Italic (not more than 250 words)*

***Keywords:*** *Arial 11 italic (not more than 5 keywords, each keyword should be separated by comma).*

1. **Introduction**

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1. Materials and methods
   1. *Materials*

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***Table 1.*** *(Must not be embedded in the body of the manuscript)*

* 1. *Methods*

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(Eq. 1) to determine the optimal arrangement of variables.

(1)

here, = number of runs, = ultimate tensile strength in the ith experiment (MPa).

***Table 2*** *(Must not be embedded in the body of the manuscript)*

***Fig. 1*** *(Must not be embedded in the body of the manuscript)*

* 1. *Characterizations*

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***Fig. 2*** *(Must not be embedded in the body of the manuscript)*

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1. Results and Discussion
   1. *Phase analysis and Morphology of MWCNT and SiO2 nanoparticles*

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The diameter of MWCNT was determined using the Debye-Scherer equation (Eq. 2).

(2)

where, d is the average diameter of crystallite, K is shape constant (0.9), λ is radiation wavelength (1.54 Å), is full width at half maxima, is Bragg’s angle of respective peaks. Using (Eq. 2), the crystallite size of MWCNT was found to be about 10 nm.

However, the XRD pattern of SiO2 (Fig. 3) peaks shows a typical nature of amorphous SiO2 with no clear peaks, only a broad hump. FESEM image (Fig. 4)

***Fig. 3*** *(Must not be embedded in the body of the manuscript)*

***Fig. 4*** *(Must not be embedded in the body of the manuscript)*

1. **Conclusions**

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**Acknowledgements** (if applicable)

*The authors are thankful to …………………………………. for providing support and facilities for the research work.*

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**Table Captions**

*Table 1. Typical properties of ………………...*

*Table 2. Variables or parameters and their levels used for the optimization.*

*Table 3. L5 orthogonal array showing value of Strength and associated S/N ration.*

**Figure Captions**

*Figure 1. Schematic process of a chemical reaction.*

*Figure 2. Schematic representation of a cake consisting different ingradients.*

*Figure 3. XRD pattern of (a) MWCNT and b) SiO2 nanoparticles.*

**Tables**

*Table 1 (No Caption here)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Material | Viscosity at 25  (mPas) | Density at 25  (g/cm3) | Flash Point  ( | Storage Life  (years) |
|  |  |  |  |  |
|  |  |  |  |  |

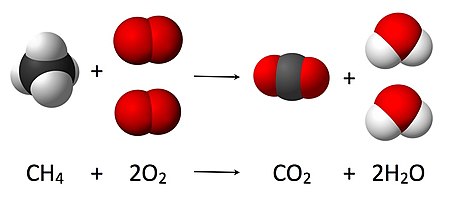
*Table 2 (No Caption here)*

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter  level | MWCNT  (wt%) | SiO2  (wt%) | Cycle |
| 1 |  |  | (C1) |
| 2 |  |  | (C2) |
| 3 |  |  | (C3) |
| 4 |  |  | (C4) |
| 5 |  |  | (C5) |

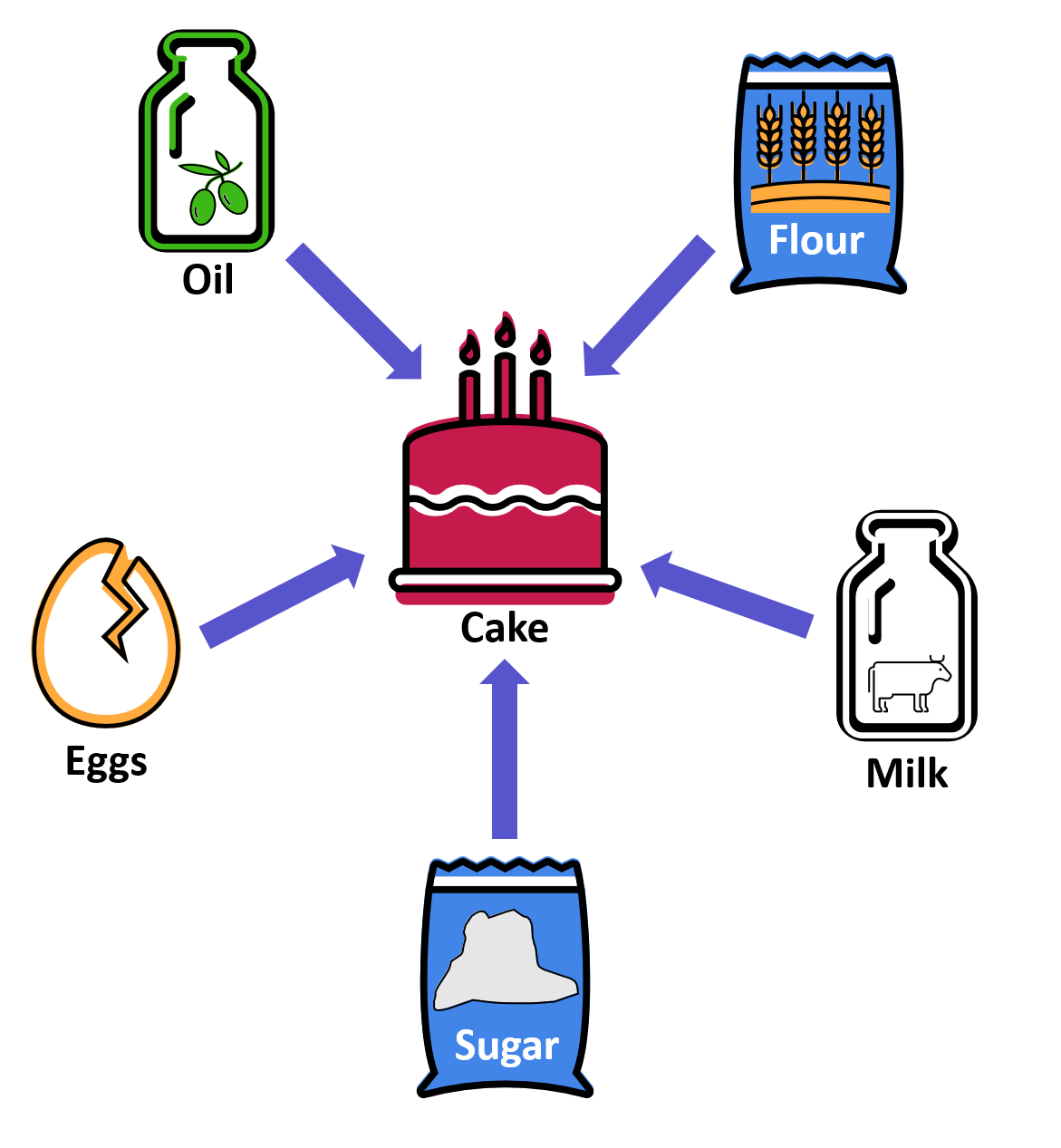
*Table 3 (No Caption here)*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample No | wt% CNT | wt% SiO2 | Cycle | Strength | S/N ratio | PTS (RA) | % error | Rank |
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**Figures**

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*Fig. 1 (No Caption here)*



*Fig. 2 (No Caption here)*

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*Fig. 3 (No Caption here)*

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*Fig. 4 (No Caption here)*