## Conclusion

In this paper, we recall the most important conclusions drawn from the application of mathematical modeling in the growth of fungi.

1) Mathematical models are able to predict the duration of fungal growth with minimal cost.
2) We used a mathematical solution to shorten the time, cost and effort to get correct results even though there is an error rate.
3) We will take a mathematical model by using the partial solution of the differential system

Equations (PDEs) . The results of this solution describe the success or failure of the growth of the fungal species studied.

4) We used some codes in numerical analysis due to some direct difficulties. Mathematical solution.
5) We used non- dimensionlisition, Stability, traveling wave solutions Numerical solutions and numerical solutions to initial value problems by using MATLAB

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