

# Review of: "Another rate view on autocatalytic reactions"

Gheorghe Juncu<sup>1</sup>

<sup>1</sup> University Politehnica of Bucharest

**Potential competing interests:** No potential competing interests to declare.

The present manuscript continues the author's previous works concerning the autocatalytic reaction. Several reaction schemes were analysed. The influence of the initial concentrations on the autocatalytic reaction in a batch / continuous chemical reactor is the main original contribution of the present work. The manuscript deserves to be published. However, before publication, the following observations should be taken into consideration:

- please change the numbering of the chemical reactions; considering the reversible reaction,  $M + F = 2M$ , as R1, leads to confusion;
- for Ostwald's lactonization,  $r_1$  and  $r_2$  should be defined; the reaction rate (1) is not clear for me; I do not see, in R3.1 and R3.2, the autocatalytic step;
- for CSTR, I did not understand which way reacting and flowing (fig. 13) were calculated; the space time is a very important parameter for CSTR; for this reason, I think that the effect of the space time on concentrations and reaction rates deserves more attention;
- more concision is desired in section 5. Discussion; note that section 5 follows section 2 (!?).