

Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_93027
Title of the Manuscript:	Higher Intrinsic Rate Constants of Alpha-amylase is Possible if Intrinsic Forward Rate Constant is <input type="checkbox"/> Diffusion limited Rate of Encounter.
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<https://www.journalajocs.com/index.php/AJOCS/editorial-policy>

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The Right side of (1) and (2) are the same. Both equations can not be correct There are questions about the derivation that need more complete explanations. Figures 1 , 2a and 2b are non-linear There are typos in the derivation that should be fixed Please see the manuscript This was ignored. Why?	
Minor REVISION comments	Rearrange introduction as indicated in manuscript. There is an unstated mechanism used here with lots of similar abbreviations. Explaining the model and better define the various rate constants would help put This work on context. I felt like I came in during the middle of the discussion. These changes would help me better understand how this fits with previous research.	
Optional/General comments	Replace symbols like < , > , etc with words I don't think the title matches the results. How can the intrinsic rate be faster than diffusion? This will be easier for the reader to follow I do not understand the notation used in the least squares fits. I assume this is my lack of knowledge about notation used in this field, but it should be changed to standard notation if it isn't.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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