

[Review Form 3](#)

Book Name:	Chemical and Materials Sciences: Developments and Innovations
Manuscript Number:	Ms_BPR_3880
Title of the Manuscript:	Studies of ion-pair to ionic dissociation of Li-Picrate salt in (PC+THF) at different mixtures with different temperatures
Type of the Article	Book chapter

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Understanding Ion Behavior in Mixed Solvents Temperature Dependence of Conductivity Thermodynamic Insights Impact of Temperature on Solubility Electrochemical Implications Broader Relevance	
Is the title of the article suitable? (If not please suggest an alternative title)	Title should be rewrite as " Investigations of Li-Picrate salt ion-pair to ionic dissociation in (PC+THF) at various combinations and temperatures"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Abstract should contain the brief results of the study.	
Is the manuscript scientifically, correct? Please write here.	It is scientifically correct and well written.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Total no of references should be around 25. Authors should include some more recent references.	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<input type="checkbox"/> Why does the limiting equivalent conductance (λ_0) increase with temperature, and how does this relate to ion mobility? <input type="checkbox"/> What is the significance of the decrease in the ion-association constant (K_A) with increasing temperature? <input type="checkbox"/> How do the thermodynamic parameters (ΔG^0 , ΔH^0 , ΔS^0) reflect the spontaneity and endothermic nature of the ion-association process? Conclusion is too long, it should be informative and concise.	

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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