



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_44158
Title of the Manuscript:	Thermal, Spectroscopic and Antimicrobial Properties of Novel Nickel(II) Complexes with Sulfanilamide and Sulfamerazine Drugs.
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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	Please add a description of an FT-IR measurement in §2.2. Fig. 3 shows typical saturation due to improper solute concentration or solvent absorption. The concentration seems to be too thick for the UV spectrum measurement. Please retry the measurement for diluted solution and denote the concentration. The discussion may be modified. Please unify the writing. "amide group" or "amido group" The former may be prefer. Also "sulfonamido group" may be changed. The missing IR bands after the complex formation cannot be confirmed due to low resolution figures. The assignments of the 3375, 3267 and 3216 cm^{-1} bands are different from those in refs. 39 and 41. Please reassign them. If the author(s) would like to use the IR spectrum as proof of the complex formation, the wavenumber (frequency) shift should be discussed. Normally, the disappearance means the loss of the functional group. The assignments of the 1572, 1001 and (626) cm^{-1} bands are different from those in refs. 39 and 41. Please reassign them. The 1541 cm^{-1} band cannot be confirmed.	Done. The UV spectrum could not be recorded. Although the Fig 3 has been replaced by a better quality picture. The changes have been done. FT-IR spectra have been replaced by better quality pics. The ambiguity related to assignments related to Symmetric amino stretch and Assymetric amido stretch have been tried to be removed in the paper. Three more references No. 31,32 and 33(ammended nos.) have been added to support the given study. The wavenumber shifts have been discussed in the text under sec.3.2. The disappearance of sulfonamide N-H stretch signifies the coordination of deprotonated N atom to the metal. Kindly consider new references no. 33 for support of these assignments. FT-IR spectra have been replaced by better quality pics.
Minor REVISION comments	I. 25. ~~drugs~~ Is. 38, 183 and 205. sulphanilamide → sulfanilamide I. 80. 5c → 5b I. 192. sulphonyl → sulfonyl	



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	ls. 193 and 203. pyrimidinic → pyrimidinic l. 216. Sulfaniamide → Sulfanilamide l. 237. 3.4.1 → 3.4.2 In Table 4. $[\text{Ni}(\text{SA})_2(\text{NO}_3)] \rightarrow [\text{Ni}(\text{SA})_2(\text{NO}_3)_2]$ l. 320. Sulfaniamide → sulfanilamide, Sulfadiazine → sulfamerazine	All the errors have been corrected.
Optional/General comments		Sincere Regards for your keen review.

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>	