



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_14964
Title of the Manuscript:	Synthesis , Characterization and Biological Activity of Chromium(III), Manganese,Cobalt,Nickel,Copper and Zinc(II) Complexes with New Schiff base derived from 6-methylquinoxaline-2,3(1H,4H)-dione and Diethylenetriamine
Type of the 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>)



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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)
<u>Compulsory</u> REVISION comments	Instrumental data for nmr spectra (fourier transform parameters) and full gc-ms instrumental data must be provided. Concentration of the samples in all solutions should be given. Type of ionization in gc-ms should be given. Proposed coordination of water must be confirmed by TG analysis since the stoichiometry of water was derived indirectly from elemental analysis. Chloride analysis must be provided to further confirm stoichiometry. Mass spectra show extensive fragmentation and interpretation is not unambiguous.	All that revisions were carried out. The thermal analyses TG-DTA could not performed in Baghdad since the damage of device in ministry of sciences. As well as the main fragments of GC-Mass spectra of Schiff base L was explained in separated scheme that molecular ion of $m/e=422$ would give good support for the proposed formula with effect of C13, N14 and D2 isotopes.
<u>Minor</u> REVISION comments	Representative uv spectra of chromium complexes together with ligand and metal alone spectra should be provided in the same diagram.	The MLCT transitions of quinoxaline complexes might characterized of high intensity thus the d-d may be masked for some complexes.
<u>Optional/General</u> comments	The ms is technically sound and scientifically interesting. May be the antifungal and antibacterial activity of the complexes should be compared with existing agents used in therapy.	Yes, the data of inhibition zone (mm) of all compounds solutions were compared with standard antibiotic (Ciprofloxacin) and fungicide (Ketocinazole).