Annexures
ANNEXURE

PUBLICATIONS

i. List of published/accepted/communicated articles in national and international journals with impact factor

1. Sheenu Jauhar and Sonal Singhal. Substituted cobalt nano-ferrites, CoM$_x$Fe$_{2-x}$O$_4$ (M = Cr$^{3+}$, Ni$^{2+}$, Cu$^{2+}$, Zn$^{2+}$; 0.2 ≤ x ≤ 1.0) as heterogeneous catalysts for modified Fenton’s reaction. Cer. Int. (Accepted)

2. Sheenu Jauhar, Ankita Goyal, N. Lakshmi, Kailash Chandra and Sonal Singhal. Doping effect of Cr$^{3+}$ ions on the structural, magnetic and electrical properties of Co–Cd ferrites: A study on the redistribution of cations in CoCd$_{0.4}$Cr$_x$Fe$_{1.6-x}$O$_4$ (0.1 ≤ x ≤ 0.6) ferrites. Mater. Chem. Phys. 139 (2013) 836 – 843. (Impact factor: 2.395).

3. Sonal Singhal, Sheenu Jauhar, N. Lakshmi, S. Bansal. Mn$^{3+}$ substituted Co-Cd ferrites, CoCd$_x$Mn$_{0.6}$Fe$_{1.4}$O$_4$ (0.1 ≤ x ≤ 0.6): Cation distribution, structural, magnetic and electrical properties. J. Mol. Str. 1038 (2013) 45 – 51 (Impact factor: 1.453).

4. Sonal Singhal, Sheenu Jauhar, Kailash Chandra and Sandeep Bansal. Spin canting phenomenon in cadmium doped cobalt ferrites, CoCd$_x$Fe$_{2-x}$O$_4$ (x = 0.0, 0.2, 0.4, 0.6, 0.8 and 1.0), synthesized using sol-gel auto-combustion method. Bull. Mater. Sci. 36 (2013) 107 – 114. (Impact factor: 0.584).


6. Sonal Singhal, Rimi Sharma, Tsering Namgyal, Sheenu Jauhar, Santosh Bhukal, Japinder Kaur. Structural, electrical and magnetic properties of Co$_0.5$Zn$_{0.5}$Al$_x$Fe$_{2-x}$O$_4$ (x = 0, 0.2, 0.4, 0.6, 0.8 and 1.0) prepared via sol–gel route. Cer. Inter. 38 (2012) 2773 – 2778. (Impact factor: 1.968).

7. Sonal Singhal, Sheenu Jauhar, Jagdish Singh, Kailash Chandra and Sandeep Bansal. Investigation of structural, magnetic, electrical and optical properties of chromium substituted cobalt ferrites (CoCr$_x$Fe$_{2-x}$O$_4$, 0 ≤ x ≤ 1) synthesized
ANNEXURE


9. Sonal Singhal, Kirandish Kaur, Sheenu Jauhar, Santosh Bhukal and S. Bansal. Structural and Magnetic Properties of BaCo$_x$Fe$_{12-x}$O$_{19}$ (x = 0.2, 0.4, 0.6, 0.8 & 1.0). *World J. Condens. Matter. Phys.* 1 (2011) 101 – 104. (Impact factor: 0.17).

10. Sheenu Jauhar, Sonal Singhal and Manisha Dhiman. Synthesis and characterization of manganese substituted lanthanum ferrites, LaMn$_x$Fe$_{13-x}$O$_3$ (0.0 ≤x ≤0.5): Efficient catalysts for H$_2$O$_2$ assisted degradation of Remazol Turquoise Blue and Methylene Blue *(Communicated)*.

11. Sheenu Jauhar and Sonal Singhal. Chromium and copper substituted lanthanum nano-ferrites: Their synthesis, characterization and application studies. *(Communicated)*

12. Sheenu Jauhar, Sonal Singhal and Manisha Dhiman. Manganese substituted cobalt Ferrites as efficient Catalysts for H$_2$O$_2$ assisted degradation of cationic and anionic dyes: Their synthesis and characterization. *(Communicated)*

**ii. Publications in Conference Proceedings**

iii. Contribution to National/International symposia/conferences

1. Indo-German Bilateral Workshop (IGSTC – 2014). Chromium substituted cobalt nano-ferrites as efficient catalysts for H$_2$O$_2$ decomposition. Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 20$^{th}$ - 22$^{nd}$ March, 2014.

2. 8$^{th}$ Chandigarh Science Congress (CHASCON). H$_2$O$_2$ assisted degradation of Remazol Turquoise Blue using manganese substituted cobalt ferrites. Manisha Dhiman, Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 26$^{th}$ - 28$^{th}$ Feb. 2014. (Poster)

3. Prof. R. C. Paul National Symposium on New Visions In Chemical Sciences. Copper substituted cobalt ferrites as heterogeneous catalysts for facile decomposition of hydrogen peroxide solution. Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 15$^{th}$ - 16$^{th}$ Feb. 2014. (Poster)

4. Prof. R. C. Paul National Symposium on New Visions In Chemical Sciences. Manganese substituted lanthanum ferrites as heterogeneous catalysts for H$_2$O$_2$ assisted decomposition of Methylene Blue. Manisha Dhiman, Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 15$^{th}$ - 16$^{th}$ Feb. 2014. (Poster)


12. National Symposium on Recent Advances in Chemical Sciences Investigation of structural, magnetic and electrical properties of manganese - cobalt ferrites, CoMnₓFe₂₋ₓO₄ (x = 0.2, 0.4 and 0.6). Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 20th Sept. 2012. (Poster).
ANNEXURE


14. Synergy - together towards tomorrow, Chandigarh Science Congress (CHASCON). Cation distribution in $\text{CoCr}_x\text{Cd}_{1-x}\text{Fe}_2\text{O}_4$ ($x = 0.0, 0.1, 0.2, 0.3$ and $0.4$) synthesized via sol gel auto-combustion method. Sheenu Jauhar and Sonal Singhal. Organized by Panjab University, Chandigarh, India. 26th – 28th Feb. 2012. (Poster).


ANNEXURE
