

## Chemistry Research group

Today materials play prominent role in technological advancement.

Apart from it treating industrial waste is of prime concern in view of environmental protection for protecting ecosystems in order to conserve biodiversity.

### Objectives:

The objective is to provide research group members with the ability

1. To synthesize and characterize new materials for making devices of advanced technology.
2. To prepare and characterize materials like activated carbon which can effectively remove pollutants from industrial wastes.

### Chemistry Group Members:

S.No	Name	Role in research group
1	Dr. V.Parvathi	Coordinator
2	Dr. T. V.Nagalakshmi	Member
3	Mr.S.Vijayadasaradha	Member
4	Mr.K.Jamili Reddy	Member
5	Dr. Rajesh	Member

### Research Publications:

#### 2019-20:

S.No.	Name(s) of the Authors	Title of the Paper	Name of the Journal & Details	Indexing
1.	V. Parvathi, J. Sai Chandra, Y. Sunandamma and H.Ananda Lakshmi	Growth, Characterization Of Mn(Ii) Doped Zn(Ii) L- Histidine Hydrochloride Monohydrate Complex Crystals	International Journal Of Science, Engineering And Management (IJSEM), Vol. 13   No. 1  395 - 404  January - March   2020 ISSN: 0974-1496	Open Access

#### 2017-18:

S.No.	Name(s) of the Authors	Title of the Paper	Name of the Journal & Details	Indexing
1	J. Sai Chandra, V. Parvathi, Y. Sunandamma	Growth, characterization, NLO and biological activities of Fe(III) ions doped Mn(II) L-Histidine hydrochloride monohydrate crystals	Materials Today: Proceedings, Volume 5, Issue 13, Part 1, 2018, Pages 26380-26388, 2214-7853	Scopus
2	T. V. Nagalakshmi, K. A. Emmanuel	Adsorption Decolorization Technique of Textile	International Journal of Engineering Technology Science and Research	Scopus

		Dyes from Textile Effluents	IJETSR, Volume 4, Issue 6 June 2017, pp:598-603, ISSN 2394 - 3386	
3	<b>T. V. Nagalakshmi,</b> K. A. Emmanuel	Removal of Toxic Dyes from Textile Effluents by Using Activated Carbons from Jackfruit Waste	International journal of Advance Research in Science and Engineering, Vol-6, Issue:01, Dec.2017, pp-312-327, 2319-8354	Scopus

**2016-17:**

<b>S.No.</b>	<b>Name(s) of the Authors</b>	<b>Title of the Paper</b>	<b>Name of the Journal &amp; Details</b>	<b>Indexing</b>
1	<b>T.V. Nagalakshmi,</b> K.A. Emmanuel, Ch.SureshBabu, K.Nagaraju and Kaza Somasekhara Rao	Absorption of Basic Textile Dye from Aqueous Solution By Prepared Activated Carbon	Journal of Applicable Chemistry, 2016, 5 (2): 452-465, 2278-1862	Scopus