

# Government Degree College, Koratla

Department of Chemistry

## Certificate course - Green Chemistry

**Resource Person: N.VASAVI, Assistant Professor of Chemistry**

**Course Overview:** The emphasis of Green Chemistry will be on the sustainability and life cycle analysis of diverse chemical processes. The principles of green chemistry, which attempts to prevent the negative impacts of chemistry on the environment, will guide our interdisciplinary investigations, and case studies will demonstrate how the principles are integrated into every day processes. Modern society relies heavily on chemistry, from the design, synthesis and pharmacology of drugs to high performance materials, and we *must* make these processes sustainable. Class time will supplement and complement the text; attendance and participation in class are essential. It is required that you read the appropriate textbook chapter *before* the classes on that topic, and work the problems later, often as group exercises during class. Green Chemistry is an interdisciplinary topic, which requires a sound basis in organic chemistry coupled with awareness of many emerging interfaces with chemistry. The course will include guest lecturers, lively discussion of controversial topics, student current awareness presentations, and participation in sustainability events/lectures/classes across the campus.

### **Class Learning Outcomes:**

- (1) To understand and present the chemical transformations and chemical processes that are involved in everyday chemical products especially related to community concerns regarding the impact of chemistry on our lives.
- (2) To formulate fact-based positions on societal issues of chemistry and provide interdisciplinary understanding to support your position.
- (3) To increase your awareness of the scientific literature dealing with green chemistry and be able to apply the principles of green chemistry to their evaluation.
- (4) To present in both written and oral forms a factual based opinion regarding the relative merits of chemical reactions and chemical products on society.

### **Textbooks :**

- 1) Green Chemistry-Environment Friendly Alternatives Rashmi Sanghi&M.M. Sri vastava
- 2) Green Chemistry: Theory and Practice, Paul T. Anastas and John C. Warner (Theory)
- 3) Real World Cases in Green Chemistry I and II, Cann and Connelly (Real)

**List of Students Attended (BSc III Year )**

S.NO	H.NO	Student Name	Group	
1	16077046445001	Ameena Tabassum	BZC	Ameena
2	16077046445002	Ateera Tabassum	BZC	Ateera
3	16077046445003	B.Suchithra	BZC	Suchithra
4	16077046445004	D.Srikanth	BZC	Srikanth.
5	16077046445005	D.Lokesh	BZC	Lokesh
6	16077046445007	P.Suresh	BZC	Suresh.
7	16077046445008	P.Haripriya	BZC	Haripriya
8	16077046445009	Sajida Parveen	BZC	Sajida Parveen
9	16077046445010	Shafiya Nayeema	BZC	Shafiya
10	16077046445012	Sumayya Firdose	BZC	Sumayya Firdose
11	16077046445013	U.Prasanna	BZC	Prasanna
12	16077046445502	B.Rekha	BZC	Rekha
13	16077046445505	G.Anuradha	BZC	Anuradha
14	16077046445507	K.Amukthamalyada	BZC	Amukthamalyada
15	16077046445508	M.Rajitha	BZC	Rajitha.
16	16077046445509	Neha	BZC	Neha
17	16077046445510	Samreen	BZC	Samreen
18	16077046445513	T.Anil	BZC	Anil
19	16077046441501	Ch.Ashok	MPC	Ashok
20	16077046441502	M.Manoj Kumar	MPC	Manoj



Principal  
Govt. Degree College,  
Koratla, Dist. Jagtial

Department of Chemistry  
Government Degree College, Korutla, DIST-Jagtial, TS  
Certificate course “ Green Chemistry”  
(2018-19 )



**CERTIFICATE**

This is to certify that Mr/Mrs \_\_\_\_\_ S/o,D/o \_\_\_\_\_

Class \_\_\_\_\_ has participated in a certificate course “ Green Chemistry” conducted in this college.

**Head of the Dept. Chemistry**

**Principal**