

## FACULTY PROFILE

1. Name of the teacher : **Dr. Akshaya Kumar Kar**
2. Designation : Lecturer in Chemistry
3. Date of Birth : 09.11.1966
4. Date of entry in the Public Service : 16.08.1991
5. Education Qualification : M.Sc., M.Phil, Ph.D.
6. Teaching Experience : 28 Years
7. Specialization : Physical and Nuclear
8. Research work, if any : 8 years of research for Ph.D.



i) Topic of research leading to Ph.D. Degree:

“Interaction of metal ions with Biologically important molecules: Substitution and Redox reactions in solution”

ii) Guideline of research if any: Nil

iii) Papers published : 03

1) Glyoxylate as reducing agent for Mn(III) in salen scaffold: A kinetics and mechanistic study, Journal of Chemical science, Vol.126, No.3, May 2014, PP.547-559.

2) Ligand substitution and electron transfer reaction of trans-(diaqua)(salen) manganese (III) with oxalate: An experimental and computational study, RSc Advances, 04/2014, 58867-58879

3) Water exchange reaction of a manganese catalase mimic: O17 NMR relaxometry study on (aqua) manganese (III) in a salen scaffold and its reaction in a mildly basic medium, RSc Advances, 2016, 6, 11739.

9. Refresher Course attended : 02

Sl.No	Name of the Course	Academic College/University	St Period	Grade

1	Refresher Course	Utkal University	05.09.2008 to 25.09.2008	A
2	-do-	Utkal University	15.12.2009 To 04.01.2010	A
3	-do-	Utkal University	09.03.2011 To 29.03.2011	A
4	-do-	Utkal University	29.11.2011 To 19.12.2011	A

10. Seminar attended – 03 ( International(01), National (02)

Sl.No.	Theme of the Seminar	Organized by	Period
1	RAMC-2017	Utkal University, BBSR	24.02.2017 to 26.02.2017
2	CCA-2009	Utkal University, BBSR	09.05.2016 to 02.05.2015
3	ACS-2015	Utkal University, BBSR	18.11.2015

11. Activities for diffusion of Knowledge

a) Publication of popular article : NIL

b) Extension of lecture delivered before learned society: During Refresher Course  
learned society

11. Social useful work, if any: NIL

