1.Name: **RABINARAYAN SENAPATI**

2. Date of Birth: 12th April,1976

3.Current Position: Technical Officer Gr-III(3), Combustion Science and Technology, CSIR-CIMFR, Digwadih Campus, rnsenapati_1976@yahoo.com, Mob no-9939698433

4. Educational Qualification: (Graduation and above)

Sl No.	Degree/Certificate	Year of Passing	University/Institute	Subjects
1.	B.Sc. (Chem.Hons)	1997	Utkal University,Vani Vihar.	Physics,Mathematics, Chemistry(Hons), Electronics,English,MIL(O)
2.	M.Sc (chemistry)	2003	Sambalpur University,JyotiVihar,	Physical Chemistry, Inorganic Chemistry, Organic Chemistry(SPL)

5.Work Experience:

Designation	Institution	From	To	Nature of work
Team Member	IIP,Dehradoon	2005	2009	(a)Study of oxidation of p-Xylenein Halogen free environment using Co, Mn as Catalyst. (b)Study of Conversion of Glycerol to value added product using Cu,Cr as Catalyst
Team member	CIMFR(DC),Dhanbad	2009	2015	(a)Study of ammoxidation of m-Xylenr using VMPO Catalyst maximising the yield of IPN. (b)CSIR Netwok project(NCAM) Assessment of mercury emissions from coal based thermal powerplant. (c) CSIR Network Project (K-TEN),Development of Biomass ash/biochar based slow release potassium fertiliser. (D)Studies on the preparation of Activated carbon from tertiary coal of NE region of India. (e)Preparation of crtified reference materials on bituminuous coal. (f)Testing analysis of coal ,coke and their ashes. (g)Inventory of mercury emissions and release from NTPC thermal power plants

6. Area of specialisation: Preparation of catalyst, analysis of coal and coke and their ash,analysis of heavy metals(Co,Mn,As,Ni,Cd,Hg,V,Cr,Fe,Se,Pb)

7. Honours and Awards received: Nil

8. Fellowship/Scholarships: Nil

9. No. Of Research Publication:

- Papers in Journals:(1) "Oxidative coupling of methane over Aerogel catalyst"pulished in International journal of Emerging Technology in computational and applied science.2,(2013),195.
  (2)Ammoxidation of 3-picoline over V-Mo-P oxide catalyst prepared from 11-molybdo-1-Vanado phosphoric acid. J.Chem. Chem. Engg.7,(2013),924-929
- In Conference proceedings(1)" Synthesis of 2,4-picoline using potassium salt of heteropolyacids" presented at Indian Science Congress, Kolkata in2013.
  (2)Gas phase methylation of naphthalene by methanol over La-Zeolite-B catalyst Presented in ICC seminar,Held in ISM Dhanbad.December,2014.
  (3)Development of chemicals processes for production of fine chemicals of coal tar origin presented Koyla Upoyog-Dristi-2025, 2014,ISBN no-978-93-5174-620-1
- Invited key notes:- Nl
- List of best 5 Publications:-nil

10.No of books authored/edited: nil

11. No of patents granted/applied for:-nil

12. Foreign Visits:- nil

13. Detailed of professional memberships:- nil

14- Major contributation:

- As a team member my duty was to prepare catalyst ,generation of data, characterisation and interpretation of catalyst.
- Experience in operation of GC,Pulse polarograph,AAS,DMA,GCVHigh pressure PARR reactor.

15. Technology and Product/ services:Nil

16. Design and prototype developed: Development of Steam activated Carbon reactor.

17. Honours and awards won for technological contributions or sociological Impact:nil