

Brief Bio-data

1. Name : Dr. Pragya K Chayande

2. Date of Birth : 31.08.1979

3. Current Position and Address (Include Email ID and Contact Number) :
Sr. Technical Officer-1, pragyachayande@cimfr.nic.in

4. Educational qualifications: (Graduation and above) : Ph.D in Chemistry

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	B.Sc	1999	Nagpur University	Chemistry, Botany, Zoology.
2.	M.Sc	2003	Nagpur University	Chemistry
3.	Ph.D	2017	Nagpur University	Chemistry

5. Work experience:

Srl. No.	Designation	Institute/company	From	To	Nature of Work
1.	Quality Control Chemist	Aalekh Polymers Pvt Ltd, Pune.	2004	2005	QC Chemist
2.	Sr. Tech. Off. - 1	CSIR-CIMFR, Nagpur.	2005	At present	Coal Testing and Analysis

6. **Work Area(s)/ Specialization** : Coal Testing, Analysis and Characterization, Preparation of Activated Carbon from waste carbonaceous materials for adsorption of pollutants in Water.

7. **Major contributions** : (Max. 100 words) : Contribution delivered for assessing the Quality of Coal, Coke , Lignite and Biomass by Testing and Data Analysis of coal received from exploratory agencies and private Industries. Characterization and Analysis of coal under Mega Third Party Coal sampling project (samples received from loading and unloading sites of coal Suppliers and users.

8. **No. of Research Publications** : 09

- Papers in Journals : 05
- In conference proceedings : 03
- Invited lectures delivered : 1

List of best 05 publications :

1. **P.K.Chayande, S.P.Singh, M.K.N.Yenkie**, "Characterization of Activated carbon prepared from almond shells for scavenging phenolic pollutants", Chemical Science Transactions, 2013, Vol.2 (3), pp.835-840. 2013.
2. **Patil (Chayande) Pragya**, Singh Sripal and Yenkie Maheshkumar, "Preparation and study of properties of activated carbon produced from agricultural and industrial wasteshells," Research journal of chemical Sciences, Vol.3(12). pp.12-15, 2013.
3. **P.K.Chayande**, presented poster titled, " Preparation of activated carbon from agricultural and Industrial waste", in National Conference on Green Chemistry & Engineering (NCGCE -2013), at VNIT-Nagpur.

4. **Patil (Chayande) Pragya**, Singh Shripal and Yenkie Mahesh Kumar, "Preparation and study of properties of activated carbon produced from agricultural and industrial waste shells," Research journal of chemical Sciences, Vol.3(12). pp.12-15, 2013.
5. Singh S.P, Prasad A.L.V, Acharya R.K, Katley R.L, **Chayande P. K** , Sakhre D.K: Reduction of Sulphur of a high Sulphur coal from Marki Mangli mine, Wardha Valley Coalfield, central India, Pittsburgh coal conference 2016 (paper accepted for presentation)
6. Sakhre D.K., Singh S.P., Acharya R.K, Katley R.L, Prasad A.L.V, **Chayande P.K. (2018)**, Coal Winnowing : An Innovative Technique for Dry Coal Beneficiation, CPSI Journal, Volume 10, Number – 28, May-2018.

- Books/Chapters authored/edited : Nil

9. List of 5 Major Contract, R & D Projects :

- (1) **MLP-123/20-21** : To Study the effect of oxidation on chemical properties of coal.
- (2) **Mega Third Party Coal Sampling projects** : Loading and Unloading sites of coal Suppliers such as WCL and SCCL, and Thermal Power plants of NTPC, MAHAGENCO, KTPS, GSECL, APGENCO, etc.
- (3) **GAP-7029** : Quality Evaluation of Coal Core Explored from Different Regions of India.
- (4) GAP-7028 : Design of the coal winnowing system and conducting experiments on various feed sizes of coal to determine yield of clean coal both qualitatively and quantitatively.

10. (a) Name of Patents/Copyrights applied /granted/commercialized : Nil

(b) Technologies/Products /knowhow/Services developed : Nil

11. Honors/Awards/Recognitions/Fellowships/Scholarships/Professional Memberships received : **Shripal Singh, Miss. P.M.Patil (Chayande), Miss. A. Srivastava**, "*Evaluation of granular activated carbon prepared from coconut shell for their applicability in scavenging priority organic pollutants*" and recieved **Best Paper award** for Oral presentation in National seminar on 28th and 29th December 2007 organized by Indian Society of Analytical Scientists at Ramdeobaba College of Engineering, Nagpur.

12. **Societal Contributions** : Indirect contribution to society by providing services in testing and analysis of coal samples received from power generation company and coal suppliers by assessing the coal quality which helps them in optimum pricing of coal for power generation and usage in general public of India.

- i. Indian women scientist association (IWSA) - Life time membership. (Since June 2007).
- ii. ASCON Communique (Alumni Association of Science College Of Nagpur) - Life time membership (Since Nov 2008).

Dr. Pragya K. Chayande,
CSIR-CIMFR, Nagpur Research Centre, (Fuel Sciences),
Mob.:- 9423637391