

## C V of Dr A K Pal

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<b>Qualification:</b>	BSc (Chemistry Hons), Graduateship (Industrial Engg.), M Tech (Ind. Engg. & Mgmt), PhD ((Ind. Engg. & Mgmt)
<b>Specialization:</b>	Air and Noise pollution, Ergonomics.
<b>Research Interest</b>	<ul style="list-style-type: none"><li>◆ Air Quality status, modelling and impact assessment in mining areas.</li><li>◆ Noise Quality status, modelling and impact assessment in mining areas.</li><li>◆ Ergonomics application to the problem in occupational health and safety in mines</li><li>◆ Quality of Life based Socio-economic development</li></ul>
<b>Research Publication:</b>	<ul style="list-style-type: none"><li>◆ International Journal : 14</li><li>◆ National Journal : 39</li><li>◆ Seminar/Conference : 29</li><li>◆ Monograph : 2</li> <li>◆ Contribution in books: Contributed two Chapters namely, Air Pollution Management (pp 248-268) and Noise Pollution Management (pp 269-328), in the Book entitled "Environmental Management in Mining Areas", edited by N C Saxena et al., Published by Scientific Publishers (India), Jodhpur, 2002.</li><li>● Contributed “Community Development/Rehabilitation and Resettlement Activities in Coal mining areas” and “Environmental Management in Mining Complexes” in the Book entitled Managing in the New Global Order edited by Kampan</li></ul>

	<p>Mukherjee, et al, published by EXCEL Books (ISBN:978-81-7446-577-1) , 2008</p> <ul style="list-style-type: none"> <li>◆ Contributed “Noise Pollution and its Impacts on Human being and Animals” in the Book entitled Environmental Pollution and Health Risk to Man and Animal, edited by S R. Garg, 2008.</li> <li>• Book Publication: Joint Author of the book entitled "Mining Environment Management Manual" published by Scientific Publishers (India), 2005</li> </ul>
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### Experience

a) Has been in teaching profession for last 19 years and has been teaching the following P.G. and B Tech programmes.

#### ◆ P.G. Programme

- M Tech (Envtl. Sc. & Engg.) : Noise pollution and Control, Air Pollution and Control, Water Treatment Engg.
- M Tech ( Industrial Engg. & Mgmt) : Productivity and Quality Mgmt (Ergonomics)

#### ◆ B Tech Programme

- B Tech (Env Engg) : Air Pollution and Control, Noise Pollution and Control, Water Treatment Engg., etc
- B Tech (Mining) : Surface Environment

b) Has successfully completed a number of **R & D** Projects in the field of Air, Noise and Socio-economic aspects.

c) Undergone an International training program under World Bank Task-I & 2, Activity IIB, EMCBT-Mining Sub-component at University of NSW, Sydney, Australia during June 14-25, 2004

**Achievements:** Air/Noise modeling, Developed noise data base for coal and non-coal mining sector, methodology for ambient noise impact assessment in mining areas, methodology for evaluating Quality of Life for rural sector, mining areas.

#### **Academic interactions with outside agencies**

CMRI, CFRI, CMPDI, DGMS, coal (BCCL, ECL, CCL, MCL, SECL, SCCL, TISCO) and non-coal mining sector (Kotah Stone, NALCO, NMDC, etc)

**Types of projects (Research/Consultancy) handled****Research Projects**

Assessment of air quality status and its impact in social spectrum in mining areas, Noise attenuation and dust arresting capacity of green belts, Assessment of noise quality in mining areas and its control measures, Development of Noise indices, Socio-economic Evaluation of Coal Mining Complexes, Quality of Life based Development Planning for rural sector, etc.

**Consultancy Projects**

Environmental Data Generation, EMP Preparation, Regional EMP Preparation, Preparation of Training module and training of Environmental Personnel of Coal India Ltd, Environmental Management Capacity Building, Technical Assistance Project: Activity IIB: Task 2: Environmental Compliance for mining industry, World Bank Project on enhancement of Environmental Capacity of Coal India Ltd, Assessment of the Impacts of Stone Quarries and Stone Crushers on the Ground Level Service Reservoir on the banks of Osmansagar Lake on the outskirts of Hyderabad city, etc.

**Research Guidance****◆ PhD in Env. Sc. & Engg:**

- PhD awarded - Five
- PhD Submitted - Nil
- PhD Ongoing - Three

**◆ M Tech (By Research) - One****◆ M Tech dissertation - Thirty (in the field of Air, Noise, Socio-economic and water environment)**