

NAME : **PANDEY, HEMANT KUMAR**

FATHER'S NAME : **Shri Raja Ram Pandey**

DATE OF BIRTH : **12.02.1970**

MAILING ADDRESS : Flat No.9, Kendranchal Colony, Begamsarai,
Allahabad (U.P.) INDIA
Phone : 0532-2617597 (o)
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PERMANENT ADDRESS : Village: Jafarpura, Post: Baburi
District: Mirzapur (U.P.), INDIA

MARTIAL STATUS : Married

PRESENT EMPLOYMENT : Scientist ,Central Ground Water Board.
Ministry of Water Resources.
Government of India, since August 1997.

EDUCATIONAL QUALIFICATIONS

DEGREE	SUBJECTS	UNIVERSITY	YEAR OF PASSING	DIVISION	MARKS (%)
B.Sc. (Hons)	Geology, Geography, Chemistry	Banaras Hindu University, Varanasi	1990	First	65.00
M.Sc.	Geology	Banaras Hindu University, Varanasi	1992	First	78.00
Ph.D	Applied Geology	Indian School of Mines, Dhanbad	Awarded in year 2000		

AWARDS/HONOURS

1. La-Tauche Medal from Mining, Metallurgical & Geological Institute, Calcutta in 1993.
2. B.H.U. Gold Medal at M.Sc. level in 1993.
3. Prof. Rajnath Gold Medal at M.Sc. level in 1993. from Banaras Hindu University.
4. A letter of Appreciation has been received from Govt. of U.P. as well as the Chairman CGWB, and Ministry of Water Resources, Govt. of India, for safe drinking water in hard rock, fluoride and nasal affected area of Sonbhadra District.

FELLOWSHIP:

1. GATE (1994-1996)
2. Senior Research Fellowship of U.G.C. (1996-97)

LANGUAGE ACQUAINTANCE: English and Hindi

Exposure to Computers : PC- Ats and Pentium
Operating System : DOS.WIN98. UNIX

FIELD EXPERIENCE: (During M.Sc. and Research)

- (i) Structural Field Training in and around Deharadun in 1990
- (ii) Economic Geology Training in and around Dehradun in 1990
- (iii) Structural Mapping around Ajmer and Jaipur in 1991
- (iv) Geological Mapping around Jarha, District, Sonbhadra in 1992

RESEARCH EXPERIENCE:

- (I) Detailed Liho- Geochemical Mapping around Malanjkhanda in 1994.
- (ii) Geochemical analysis (Major, Minor/ trace and rare earth elements) of rock samples.
- (iii) Fluid Inclusion Geothermobarometry.
- (iv) Genetic Studies of Almora Magnesite Deposit from Sept. 1993 to Oct. 1994.
- (v) Ore Petrology and Metallogenesis of Cu- Mo sulphide deposit around Malanjkhanda (M.P.) from Nov. 1994 to July 1998 as part of Ph.D. thesis.

PROFESSIONAL EXPERIENCE:

- (I) Hydrogeological Reappraisal Survey of District Kinnaur (H.P.) during 1998-99
- (ii) Artificial Recharge Studies including Roof Top Rain Water Harvesting in Jammu& Kashmir and Uttar Pradesh
- (iii) Pollution Studies in Industrial Area of Jammu.
- (iv) Ground Water Management Studies of District Mahoba (U.P.)
- (v) Ground Water Management Studies of District Gazipur(U.P.)
- (vi) Ground Water Management Studies of District Banda (U.P.)
- (vii) Ground Water Management Studies of District Allahabad (U.P.)
- (viii) Ground Water Management Studies of District Pratapgarh (U.P.)

TRAINING:

- (I) Fluid Inclusion Geothermobarometry from Wadia Institute of Himalayan Geology Dehradun (U.P.)
- (ii) Training on Unix Computer at Indian School of Mines, Dhanbad.
- (iii) Training on computer awareness programme conducted by National Informatics Center (N.I.C.), New Delhi
- (iv) Training on M.S. Office conducted by C.E.D.T., Govt. of India, Jammu.

- (v) Training on Remote sensing and G.I.S. in Ground Water at Indian Institute of Remote Sensing, Dehradun.
- (vi) Training on O&M organized by Ministry of Water Resources, New Delhi.
- (vii) Training on Ground Water Regulation and Control organized by Central Ground Water Board, New Delhi.

NAIONAL LEVEL COURSE ATTENDED:

(I) Geological Mapping in Gniess- Granulite terrain around the Sandmata Geological Complex at Bhim (Rajasthan), Conducted by Geological Survey of India and Deptt. of Science and Technology, Govt. of India.

(ii) Database, Numerical methods and Computer Modelling and Modern approach to Petrology, conducted by Department of Science and Technology, and Wadia Institute of Himalayan Geology, Dehradun. (U.P.).

MEMBER:

- 1.Life member of South Asian Association of Economic Geologists.
- 2.Member of Technical Coordination Committee on “ Artificial Recharge to Ground Water” in Allahabad, Pratapgarh, Mirzapur and Varanasi Districts.

TECHNICAL REPORTS:

1. **District Ground Water Management Studies of :**
 - (a) District Kinnaur, Himachal Pradesh
 - (b) District Mahoba, Uttar Pradesh
 - (c) District Gazipur, Uttar Pradesh
 - (d) District Banda , Uttar Pradesh
 - (e) District Allahabad, Uttar Pradesh
2. Ground Water Year Book (1999) of Jammu and Kashmir (J&K)
3. Pollution Studies of Industrial area in Jammu and Kashmir (J&K)
4. Spring Studies in District Udhampur, Jammu & Kashmir
5. Parliamentary constituency Report of Allahabad constituency in connection with ground water condition and its management.

Feasibility Report for installation of tubewells in hard rock and alluvial area.

Under technical guidance the feasibility for construction of new tubewell was rendered to following departments:

- a) MES Jammu and Kashmir
- b) MES, Air Force and Army, Allahabad and Varanasi
- c) Pollution Control Board J &K
- d) Forest Protection Force, Jammu
- e) C.PW.D. Allahabad

PROJECTS :

- a) Roof Top Rain Water Harvesting cum Check Dam at Jawaharlal Navodaya Vidyalaya, Meja Khas, Allahabad.
- b) Roof Top Rain Water Harvesting at P.W.D. building Panama Chouk , J&K.
- c) Sub-Surface Dyke Cum Check Dam at Village Dewal, Basholi, District. Kathua, (J&K).
- d) Roof Top Rain Water Harvesting at Ambedkar Vihar Chouphataka , Allahabad.
- e) Roof Top Rain Water Harvesting at Vikas Bhawan, Allahabad ,
- f) Roof Top Rain Water Harvesting at Indira Bhawan ,Civil Line Allahabad ,
- g) Roof Top Rain Water Harvesting at Transit Hostel, BIDA, Bhadohi ,
- h) Roof Top Rain Water Harvesting at Niryat Bhawan, BIDA, Bhadohi ,
- i) Check Dams across minor streams at three different places in hard rock area in Allahabad District.

INVITED LECTURES:

1. Lecture delivered on “Groundwater Problems and Management” on World Water Day (22nd March,2010) at Institution of Engineers, Allahabad.
2. Two lecture delivered on “Concept of Artificial Recharge and different Techniques” during September, 2010 at Academic Staff College,BHU, Varanasi.
3. Two lectures delivered in the Inspire programme of D.S.T, at B.H.U, Varanasi.
4. Lectures delivered on “ Groundwater Problems and their Management during June,2012 at Academic Staff College, BHU, Varanasi.
5. Lectures delivered in the Inspire Programme hosted by BBS Engineering College, Allahabad.

RESEARCH PUBLICATIONS:

(A) JOURNALS:

6. Pandey, H.K. (1997) :- Comments on the paper entitled Interstratified low Ti and high –Ti Volcanics in arc related Khingararh Group of Central India, Current Science, Vol 72 No3 pp.13.
7. Ray, R.K., Pandey, H.K. and Rai, K.L. (2000) :- Geochemistry of Mafic Volcanics and Gold & Sulphide Mineralisation in Sonakhan , Raipur District Chhatisgarh in book of Teconomagmatism, Geochemistry and Metamorphism of Precambrian Terrains, pp.381-394 K.C. Gyani and P. Kabru,eds.
8. Rai. K.L., Pandey, H.K. (2001) : “ Comments on Anatomy of a Porphyry Copper Deposit, Malanjkhanda, Madhya Pradesh, Jour. Of Geol. Soc. of India, Vol-57, pp551-554.
9. Rai, K.L., Pandey, H.K., Venkatesh, A.S., Dash, S.K., Agrawal S. and Diwan, P. (2004), Granotoids, their altered variants and associated rocks from Malanjkhanda, Central India. Geological Setting, Geochemistry, Evolution and Petrogenesis, Journal of Economic Geology and Georesource Management , Vol.1, No2, pp235-277.
10. Pandey, H.K. and Rai, K.L. (2006) ,Granite magmatism and metallogenesis in Malanjkhanda region of Kotri rift zone, Central India: A geochemical reapraisal . Vol No .1 No3 pp
Indian Journal of Geochemistry Vol. No 21 (2) pp283-312
11. S.Singh, A.B.Samaddar, R.K.Srivastava and H.K.Pandey, (2009) “Artificial Recharge of Ground Water- A Case Study of Allahabad City”, International Journal of Earth Sciences and Engineering .

(B) SEMINAR/ SYMPOSIA :

1. Pandey, H.K. (1995) Remote Sensing and its utility in Mineral Exploration, in National Seminar on “Utility of Remote Sensing and others methods in Geological studies pp-10 at Bhopal.
2. Pandey, H.K. (1995) National Mineral Policy and Mineral based industries, in National Seminar on “ Earth Resources, Industrial Development and Environmental Issue : pp-15 at Jaipur.
3. Pandey, H.K. (1995), Industrial Mineral Potential and its development – an improved approach for mineral resource evaluation in Minex 95 (prod.) pp 119-121.
4. Pandey, H.K. (1995), Geological Constraints and hazards of surface Mining in the Himalaya and adjoining Regions, pp 25 at W.I.HG., Dehradun.
5. Pandey, H.K. and Rai, K.L. (1995), Rare Earth Elements Geochemistry of Malanjkhanda Granitoid, Central India in xth Convention of Indian Geological Congress pp.20 at Dhanbad
6. Rai, K.L. and Pandey, H.K., (1996), Deposit Model of Proterozoic Cu-Mo, Mineralisation at Malanjkhanda, Central India in Xth Convention of Indian Geological Congress pp 6 at Dhanbad.
7. Rai, K.L. and Pandey, H.K., (1996), Metallogenic aspects of Precambrian Superlarge Copper Deposit of Malanjkhanda in Central India in International Geological Congress pp. 19 at Beijing China.
8. Nag, S., Pandey, H.K. and Rai, K.L. (1996), Geological Setting and Depositional Environment of Gold Mineralisation in Sonakhan Schist Belt, Raipur, M.P. in National Seminar on Proterozoic Basins of Central India pp.46 at Rewa.
9. Pandey, H.K. and Mishra, A.K. (1998) “ Scope of Artificial Recharge in Kandi belt of Outer Himalaya of Jammu Province (J&K) – A case Study” in a National Seminar pp 27 held at Banaras Hindu University (B.H.U.).
10. Pandey, H.K. and Pandey, K.S. (2003), Artificial Recharge Studies of Ground Water in and around Allahabad (U.P.) – A case Study”, in Procs. of Tenth National Convention of National Water Development Agency held at Bhubneswar, 5-7 Nov. 2003 pp232-236.
11. Pandey, H.K. (2006) Ground Water Regime and its impact on Interlinking of Rivers. Souvenir of IIIrd M.P. Science Congress at Bhopal, pp18-19
12. Pandey, H.K.(2009) Impact of liquid waste on Ground water Quality in Alluvial area: A case Study as abstract in National Conference on “ Recent Advances in Waste Management held during Feb: 20-21, 2009, pp30 at BHU, Varanasi.
13. Pandey, H.K.(2009), Ground water scenario, problems and its management in Eastern Uttar Pradesh in National Symposium on “The Planet Earth: Its Finite Resources and Human Civilization during March 17-19, at BHU, Varanasi.
14. Ground Water Stress in Allahabad and Varanasi city and its Management- An Analysis:H.K.Pandey,Ramji Singh,A.K. Bhargava and J.P. Gautam, Regional Workshop held on 9th February,2011 at Lucknow.

15. Identification of Ground Water salinity and its remedial measures:

A case Study- H.K.Pandey In Proceeding of National Conference on

“ Ground Water for Drinking: Issues and Options at Department of Civil Engineering,
I.T., BHU, Varanasi during February 11-13,2011.