

PROFORMA FOR BIO-DATA (to be uploaded)

1. Name and full correspondence address : Dr Pradeep Kumar Chaturvedi
2. Email(s) and contact number(s) : pkchat@gmail.com
3. Institution : All India Institute of Medical Sciences, New Delhi, 110029
4. Date of Birth : 18/08/1958
5. Gender (M/F/T) : M
6. Category Gen/SC/ST/OBC : Gen
7. Whether differently abled (Yes/No) : No
8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution
1	BSc	1977	Zoology, Botany, Chemistry	Agra University Agra
2	MSc	1979	Zoology	Agra University

9. PhD thesis title guide name, Institution/University/ year of Award

Title: Radiation and Nutritional stress on albino rats

Guide: Dr S S Hasan

University: Grahwal University, Pauri campus

Year of award: 1985

10. Work experience :

Sr No	Position held	Institute	From	To	Pay scale
1	JRF	University of Garhwal Pauri Campus	March 1981	1984	
2	SRF	AIIMS, New Delhi	May 1985	July 1985	
3	Research Associate	AIIMS, New Delhi	Aug' 1985-	Mar' 1986	
4	Assistant Research Officer	AIIMS, New Delhi	Apr' 86-	Jun' 87	
5	Research Associate	AIIMS, New Delhi	Jul' 87-	Dec' 90	

6	Research Associate	AIIMS, New Delhi	Jan'91-	Sept'91	
7	Rockefeller Foundation Fellowship	Texas A&M University, TX, USA	Sept'91-	Sept'93	
8	Senior Research Associate	AIIMS, New Delhi	Feb'94 -	Feb' 97	
9	Assistant Professor	AIIMS, New Delhi	26 March 1997	30 June 2008	Grade pay
10	Associate Professor	AIIMS, New Delhi	1 July 2008	30 June 2011	Grade Pay 8500
11	Additional Professor	AIIMS, New Delhi	1 July 2011	30 June 2015	Grade Pay 9000
12	Professor	AIIMS, New Delhi	1 July 2015	ongoing	Grade Pay 10500

11. Professional recognition/Award prize/certificate/ fellowship

Sr No	Name of Award	Awarding Agency	year
1	Rockefeller Foundation fellowship	Rockefeller foundation USA	1991-1993
2	Member of National Academy of Medical Sciences	National Academy of Medical Sciences, Delhi	2012

12. Publication:

1. Niraj Pant, G Kumar, A. D. Upadhyay, Y. K. Gupta, **P. K. Chaturvedi**: Correlation between lead and cadmium concentration and semen quality. *Andrologia* , epub Sep 16,2014 ,2015 47(8):887-91
2. Niraj Pant, M Shukla, A. D. Upadhyay, **P. K. Chaturvedi**, D. K. Saxena ,Y. K. Gupta: Association between environmental exposure to p, p'-DDE and lindane and semen quality *Environ Sci Pollut Res* DOI 10.1007/s11356-014-2965-x, 2014 online, 2014,21(18)11009-16.
3. Niraj Pant, G. Kumar, A. D. Upadhyay, D. K. Patel, Y. K. Gupta, **P. K. Chaturvedi** : Reproductive toxicity of lead, cadmium, and phthalate exposure in men *Environ Sci Pollut Res* DOI 10.1007/s11356-014-2986-5 ,2014 online.2014,21(18):11066-74.
4. Niraj Pant, AB Pant, **P K Chaturvedi**, M Shukla N Mathur YK Gupta and DK Saxena. Semen quality of environmentally exposed human population: The toxicological consequence *Environ Sci Pollut res* may21,2013 (online),2013,20(11):8274-81.
5. Bajpai M, **Chaturvedi PK**, Bal CS, Sharma MC, Kalaivani M. Posterior urethral valves: Persistent renin angiotensin system activation after valve ablation and role of pre-emptive therapy with angiotensin converting enzyme-inhibitors on renal recovery.*J Indian Assoc Pediatr Surg.* 2013 Apr;18(2):74-8. doi: 10.4103/0971-9261.109357.
6. A Kumar, L Rani, B Dhole, **P K Chaturvedi** Oxygen as a regulator of MA-10 cell functions: effect of cobalt chloride on VEGF production. *Andrologia* 2012,44;615-620.

7. Anand Kumar, Rupali Dewan, Jyotsna Suri, Suman Kohli, Skand Shekhar, Bodhana Dhole, **Pradeep Kumar Chaturvedi** Abolition of endocrine dimorphism in hyperthyroid males? An argument for the positive feedback effect of hyperestrogenemia on LH secretion. *Andrologia* 2012,44;217-225.
8. Minu bajpai, CS Bal Rakesh Kumar, **PK Chaturvedi**, M Kalaivani Arun K Gupta Persistent rennin angiotensin system activation after anti reflux surgery and its management *J Pediatric Urology* 2011, Dec7(6):616-22
9. Lata Rani, BP Mohanty, **P K Chaturvedi**, Anand Kumar Hypoxic Modulation of LH action on MA-10 Cells in Book *Molecular and clinical aspects of gonadal and nongonadal actions of gonadotropins* Eds CV Rao, USA, Anand Kumar, PK Chaturvedi 2010 Narosa Publishing House ,New Delhi
10. Gupta R, Deepanjali S, Kumar A, Dadhwal V, Agarwal SK, Pandey RM, **Chaturvedi PK**. A comparative study of pregnancy outcome and menstrual irregularities in northern Indian patients with systemic lupus erythematosus and rheumatoid arthritis *Rheumatol Int.* 2010 Nov;30(12):1581-5. Epub 2009 Oct 14
11. Garima Nirwal, Anand Kumar, **Pradeep Kumar Chaturvedi** Effect of hCG and cAMP on progesterone production in Leydig cells during hypoxic condition. *Biology of Reproduction* 2007 spl issue abstract 417
12. **Pradeep Kumar Chaturvedi** Garima Nirwal, Anand Kumar, Effect of hypoxia on the VEGF secretion in MA-10 Leydig cells. *Biology of Reproduction* 2007 spl issue abstract 249
13. Sharma SK, Kumpawat S, Goel A, Banga A, Ramakrishnan L, **Chaturvedi P**. Obesity, and not obstructive sleep apnea, is responsible for metabolic abnormalities in a cohort with sleep-disordered breathing. [Sleep Med.](#) 2007 Jan;8(1):12-7. Epub 2006,Dec 6.
14. Kumar A, **Chaturvedi PK**, Mohanty BP Hypoandrogenaemia is associated with subclinical hypothyroidism. *Int. J Andrology* 2007,30(1),14-20,
15. Mohanty BP, Lata Rani, **Chaturvedi PK**, Kumar A Effect of cobalt chloride on steroidogenesis of MA-10 cells. *Indan J Physiol Pharmacol* 2006; 52 (5) 117.(Abstract
16. Jha A, Sharma SK, Tandon N, Lakshmy R, Kandhiravan T, Handa KK, Gupta R, Pandey RM and **Chaturvedi P.K**. Thyroxine replacement therapy reverse sleep-disordered breathing in patients with primary hypothyroidism. *Sleep Medicine* 2006 7(1): 55-61, Epub 2005 Sep 28.
17. Kumar A, Halder A, **Chaturvedi PK**, Chiplunker A, Arora E, Shruti, Mohanty BP, Lata, Garima (2005). Results of Preclinical and Clinical trials of Asokarishta. *Indian Journal of Physiology and Pharmacology*, 9(5): 92. (Abstract)
18. Kumar A Mohanty BP **Chaturvedi PK**: Regulation of hypophyseal gonadal axis in thyroid disorders. *Indan J Physiol Pharmacol* 2004; 48 (5) 223.
19. Sharma RS, Rajalakshmi M, Pal PC, Roy S, Behal VK, Sharma DN, **Chaturvedi PK**, Pruthi JS.Evaluation of efficacy, safety, and reversibility of combination regimen of cyproterone acetate and testosterone buciclate in bonnet monkey. *Contraception.* 62:195-201,2000.
20. A. Kumar, N. Ahmad, **P. Chaturvedi**, S. Mittal and A. Farooq: Cyclic behaviour of splenic mononuclear cells (MNCs) in the regulation of granulosa cell progesterone (P4) production. *Mol. Cell. Endo. (Suppl.)*164:2000
21. N. Ahmad, **P. Chaturvedi** and A. Kumar : Inhibition of bovine granulosa cell steroidogenesis by *Mycobacterium tuberculosis* (M.tb) in vitro. *Mol. Cell. Endo.* 164:2000.
22. A. Kumar, N. Ahmad and **P. Chaturvedi** : Modulation of granulosa cell steroidogenesis by microbes: an in vitro study. *Mol. Cell. Endo.* 164: 2000.
23. **P K Chaturvedi** L Johnson : Architectural arrangement of stages within human seminiferous tubule is related to efficiency of spermatogenesis. *Cell Tissue Res.* 273, 65-70, 1993.
24. **P K Chaturvedi**, Larry Johnson : Effect of age and daily sperm production on the architectural arrangements of stages of the spermatogenic cycle in human seminiferous tubule. *J Andrology (Suppl)* 1993.
25. **P K Chaturvedi**, Wayne C Zeh, Charles A Proshek, Larry Johnson: Effect of age and testicular transplantation on Sertoli cell number in Fischer rats. *Biol Rep (Suppl)* 48 p94. 1993
26. **P K Chaturvedi** and Larry Johnson : Relationship between the architectural makeup of

- seminiferous tubules and efficiency of spermatogenesis in men. *J Andrology* 1992; (Suppl)
27. L Johnson, **P K Chaturvedi** and J D Williams : Missing generations of spermatocytes and spermatids in seminiferous epithelium contribute to low efficiency of spermatogenesis in humans. *Biol Rep.* 47, 1091-1098,1992.
 28. **P K Chaturvedi**, Vibhuti Purwar, T P Singh, R K Tandon: Orange peel oil is a potent cholesterol gallstone Solvent. *Indian J Gastroenterology* 1990;9:(suppl) A7.
 29. **P K Chaturvedi**, R V S Raju, T Rajindra Kumar, Vibhuti Purwar, T P Singh and Rakesh Tandon. A possible cause of pancreatic stone formation. *Ind J Gastroenterology.* 8 No 4 (SUPPL) A 12-13 (1989)
 30. Vibhuti Purwar, **P K Chaturvedi**, R V S Raju, P Augustine, and Rakesh Tandon. Biophysical, Biochemical and Morphological comparative study on bile duct stones of North and South Indian Origin. *Ind J Gastroenterology.* 8 No 4 (SUPPL) A 8-9. (1989).
 31. R V S Raju, **P K Chaturvedi**, Vibhuthi Purwar and Rakesh Tandon. Gall stone - sex dependent. *Ind J Gastroenterology.* 8 No 4 (SUPPL) A 37. (1989).
 32. S.S. Hassan **P.K. Chaturvedi** : Whole body X-irradiation and impact of dietary factors on brain and testes of albino rats. *Strahlentherapie* 164,37-43,1988.
 33. S.S.Hassan, **P.K. Chaturvedi**, and A.K.S. Kushwaha: Radiprotective effect of neo-mercazole in the rats during starvation stress. *Radiobiologia Radiotherapia* 28, 367-379, 1987.
 34. **P.K.Chaturvedi** and S.S.Hassan : effect of two graded doses of X-irradiation on the rat adrenal gland and its protection by S-phenetyl formamidino 4(N-methyl isothioamide) morpholine dihydrochloride. *Proc. Ind. Acad. Sci.* 94, 523-526, 1985.
 35. S.S.Hassan and **P.K.Chaturvedi** : Irradiation effect on the adrenal gland of rat undergoing inanition stress. *Proc. Ind. Acad. Sci.* 94, 79-86, 1985.
 36. **P.K.Chaturvedi** and S.S.Hassan : 60 Co radiation induced hazards and use of S-anisyl formamidino 4(N-methyl isothioamide) morpholine dihydrochloride as chemical radioprotector. *J. Nucl. Med. Allied. Sci.* 28, 1-8,1984.
 37. S.S.Hassan, **P.K.Chaturvedi** and S.N. Pandey : Effect of two graded doses of whole body X-irradiation and radioprotection by the use of S-phenetyl formamidino 4(N-ethyl isothioamide) morpholine dihydrochloride. *Nucl. Med.* 22, 237-245, 1983.
 38. S.S.Hassan and **P.K.Chaturvedi** : Response of whole body X-irradiation to inanition stress. *Strahlentherapie* 159, 351-357, 1983.

13. Patents : NIL

14. Books/Chapter/

**BOOKS/ABSTRACT BOOKS:
Editors/Associate Editor in**

1. Molecular and clinical aspects of gonadal and nongonadal actions of gonadotropins. Eds CV Rao, USA, Anand Kumar, PK Chaturvedi Narosa publishing house ,New Delhi (2010)
2. Follicular Growth, Ovulation and Fertilization Eds: Anand Kumar, Amal K Mukhopadhyya, Narosa publishing house ,New Delhi. 2001.
3. Advance Abstract of papers International symposium on Molecular & Clinical Aspects of the Regulation of Ovarian Function: Impact on the Reproductive Health of Women Eds: Anand Kumar, Amal K Mukhopadhyya ,1999.
4. Advance Abstract of papers Indo-Germen Satellite workshop Fertilization: Lessons from in-vitro Approaches Eds: Anand Kumar, Amal K Mukhopadhyya ,1999.

15. Any Other Information

- Providing service for in-house and outpatient for Thyroid function, Reproductive hormone, metabolic hormone and cancer marker.
- Setup Andrology lab in the department for providing services for patient care and research
- Member of Board of Studies of Biotechnology for session 2011-2012 of Mahamaya Technical University, Noida. Reviewer of projects of Department of Biotechnology (DBT). Member Selection Committee for projects ICMR. Reviewer of ICMR projects PhD examiner of various universities.
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RESEARCH PROJECTS UNDERTAKEN

Source of funding	year
Rockefeller foundation USA	1994-1997
AIIMS Project	2006
ICMR Project SRF	2006
ICMR Project SRf	2010
DST Project co supervisor	2009
DST women fellow to Postdoc working with me	2011
HLL Life care Ltd Project on going	2009