



Name	Anuradha V Pai
Designation	Asst. Professor
Educational Qualification	B.Pharm, M.Pharm (Pharmacology), Ph.D (Biomedical Engineering)
Work Experience	5 years teaching + 3 years research
Email	anuradha.pai@hkcp.edu.in
Area of Specialization	Pharmacology
Industrial experience	NIL
Subjects taught	Human Anatomy Physiology, Pharmacology, Pathophysiology
Awards, Credentials, Professional affiliations	<ul style="list-style-type: none"> ➤ Qualified GATE 2001 and was a recipient of scholarship by AICTE during M Pharma ➤ Secured Distinction in 1st year as well as in 2nd year of M Pharma with overall aggregate of 78%, secured first place in Pharmacology ➤ Awarded scholarship for the year 2002-2003 and 2003-2004 for M Pharma education by Salesworth Education Foundation, Bangalore ➤ Awarded research funding by Himalaya Drug Company, Bangalore for the project work in the 2nd year of M Pharma ➤ BioCARE WOMEN SCIENTIST by DBT, India (Grant Value 30 Lakhs)
No. of papers published	<p>Publications from M.Pharm work:</p> <ul style="list-style-type: none"> ♦ Anuradha, H, Srikumar, BN, Deepti, N, Shankaranarayana Rao, B.S, Lakshmana, M. “Euphorbia hirta reverses chronic stress-induced anxiety through GABA_A receptor benzodiazepine receptor-C1⁺ channel complex.” Annals of Neuroscience. 2004; 79. Impact Factor 2.04. ♦ Anuradha, H, Srikumar, BN, Deepti, N, Shankaranarayana Rao, B.S, Lakshmana, M. “Anxiolytic-like Effects of Propylene Glycol: Possible interference with Motor Activity in rats” Indian Journal of Physiology and Pharmacology, 2004: 48 (5) p258. Impact Factor 0.20

- ♦ **Anuradha, H**, Srikumar, BN, Deepti, N, Shankaranarayana Rao, B.S, Lakshmana, M. “Euphorbia hirta reverses chronic stress-induced anxiety through GABA_A receptor benzodiazepine receptor-Cl⁻ channel complex.” J Neural Transm. 2008; 35-42. Impact Factor 2.776
- ♦ **Anuradha, H**, Srikumar, BN, Deepti, N, Shankaranarayana Rao, B.S, Lakshmana, M. “Restoration of acetylcholinesterase activity by Euphorbia hirta in discrete brain regions of chronically stressed rats.” Pharm Biol. 2010 May; 48(5): 499-503. Impact Factor 1.241

Publications from PhD work:

- ♦ **Anuradha, H.**, Velpandian, T., Manchanda R, Dinesh Sharma, Jayesh Bellare “Quinidine induced vision toxicity: interferences with retinal electrophysiology”, Poster presented at AAPS Annual meeting and Exposition 2012. Impact Factor 3.423
- ♦ **Anuradha H.**, Velpandian T, D. K. Sharma, Rajvardhan Azad, Jayesh Bellare “Effect of sodium and calcium channel modulators on rat ERG” Indian Journal of Pharmacology, 2013; S233. Impact Factor 1.040
- ♦ **A. V. Pai**, J. Bellare and T. K. Gandhi, "Chemoretina: An alternate approach to retinal prosthesis: Visual stimulation strategy using chemicals," 2016 IEEE Annual India Conference (INDICON), 2016, pp. 1-4, doi: 10.1109/INDICON.2016.7839036. Impact Factor 0.52

Patent (s):

- ♦ A Future Chemo-retina-prosthetic device: Indian Patent filed with IIT Bombay [Publication number: 136/MUM/2015 dated 15 July 2016 in Journal No.29/2016 of Indian Patent Office; website www.ipindia.nic.in].
- ♦ Navjyoti- A Low cost intra-vitreous injection delivery / filling device: Indian Patent filed with IIT Delhi [Publication pending with Indian Patent Office; Application number: 201911035048, Date of Filing 30/08/2019].
- ♦ A Low-Volume Pre-fillable Cartridge: Invention disclosure filed bearing code number PAT/CL/30003754-1/22-23 dated 30/11/22

Publications as Co-Author:

- Arumugam Ramamoorthy Vijaykumar, **H. Anuradha**, Nihar Ranjan Biswas, Vimla Menon, Rohit Saxena, Thirumurthy Velpandian. “Evaluation of the Protective Effect of NMDA/ Non-NMDA Receptor Antagonists Against Ethambutol Induced Retinal Toxicity Using Electoretinogram (ERG) in Wistar Rats” Indian Journal of Pharmacology, 2013; S109. Impact Factor 1.040

Publications in Book:

- Atul Kumar, S. N. Mohanraj, Kavitha Duraipandi, and **Anuradha V. Pai** (2016). Anti-angiogenic agents and Photodynamic therapy. In Pharmacology of Ocular Therapeutics, Thirumurthy Velpandian ed. (Springer International Publishing AG Switzerland)
[Prof. (Dr.) Atul Kumar is current HOD: Dr.R.P.Center for Ophthalmic Sciences, AIIMS, New Delhi]

No. of presentations	One; Speaker for BioCARE Women's Day Program 2018
Academic Projects	<p>1. Pharmacological and Neurochemical evaluation of antidepressants and anxiolytics in chronically stressed rats carried out at Department of Neurophysiology, NIMHANS; sponsored by Salesworth Education Foundation, Bangalore and Himalaya Drug Company, Bangalore.</p> <p>2. To evaluate effects of voltage gated sodium channel modulators on electrophysiological response of I plexiform cells of a mammalian retinal tissue: first steps towards a Chemoretna; Department of Biotechnology, India; Grant Value Thirty Lakhs</p>
Training programs / workshops/seminars /conferences attended	<p>1. 18th QIP- Recent Trends in Pharmacology and Therapeutics, DIPSAR; AICTE; Dr. R.P Center for Ophthalmic Sciences, AIIMS, New Delhi; 20th Feb- 15th Mar 2015</p> <p>2. Evolution and transmission of drug-resistance tuberculosis in Agartala, Kohima and Imphal population; International Centre for Genetic Engineering and Biotechnology; Donor Funding Program by BIRAC DBT; 11th -15th March 2019</p>