



**Dr. Ajay Godwin Potnuri**  
**Scientist -I**  
**Department of Pharmacology**  
**A.I.I.M.S, New Delhi-110029**  
**डॉ. अजय गॉडविन पोटनुरी**  
**वैज्ञानिक-।**  
**भेषजगुण विज्ञान विभाग,**  
**अ. भ. आ. सं., नई दिल्ली-110029**

**Contact Details:** 4th Floor, Department of Pharmacology, Teaching Block, All India Institute of Medical Sciences (AIIMS), New Delhi 110029

**Telephone:** 011-26593677

**Email ID:** dr.ajaygodwin.p@gmail.com

**Education:**

- B.Pharmacy from Andhra University, Visakhapatnam
- M.S (Pharm) in Pharmacology and Toxicology from National Institute of Pharmaceutical Education and Research, Guwahati
- Ph.D in Biological Sciences from Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thriuvananthapuram
- ICMR PDF from ICMR NARFBR, Turkapally, Shamirpet, Hyderabad

**Research Interest/ area:**

Cardiovascular Pharmacology and toxicology with a special emphasis on hypertensive heart disease and vascular biology

**Past Position:**

- Assistant Research Officer (Pharmacology) at National Ayurveda Research Institute for Panchakarma, Cheruthuruthy, Thrissur, Kerala (Jan' 2021 – Sep' 2022)

**Ongoing Projects:**

- Evaluation of Guduchi Sattva for its anti-platelet and thrombolytic potential using in-vitro and in-vivo experimental models, funded by Indian Council for Medical Research. [Budget:15,90,000]

**Completed Projects:**

- Acute and 90 days Toxicity profiling of AYUSH 64, funded by Central Council for Research in Ayurvedic Sciences. [Budget:18,97,450]
- Understanding the role of FFAR2 In Modulating atherosclerosis in WNIN/Ob rat, funded by Indian Council for Medical Research. [Budget:21,60,000]

**Selected Publications:**

1. Targeting histamine-2 receptor for prevention of cardiac remodeling in chronic pressure overload AG Potnuri, L Allakonda, A Appavoo, S Saheera, RR Nair Int J Card, 2016 202, 831833.
2. Histamine 2 receptor antagonism elicits protection against doxorubicin induced cardiotoxicity in rodent model, SK Kondru, AG Potnuri, L Allakonda, P Konduri, Molecular and Cellular Biochemistry, 1-12 , 2018
3. Syk–GTP RAC-1 mediated immune-stimulatory effect of Cuscuta epithimum, Ipomoea batata and Euphorbia hirta plant extracts VS Sudam, AG Potnuri, NJP Subhashini, Biomedicine & Pharmacotherapy 96, 742-749, 2018
4. Modulation of cardiac stem cell characteristics by metoprolol in hypertensive heart disease, S Saheera, AG Potnuri, RR Nair, Hypertension Research, Nature Publishing Group 2018 Feb 15. doi: 10.1038/s41440-018-0015-7.
5. Histamine-2 receptor antagonist Famotidine Modulates Cardiac Stem Cell characteristics in hypertensive heart disease, S Saheera, AG Potnuri, RR Nair, PeerJ. 2017 Oct 9;5:e3882. doi: 10.7717/peerj.3882. eCollection 2017.
6. Crocin attenuates cyclophosphamide induced testicular toxicity by preserving glutathione redox system, AG Potnuri, L Allakonda, M Lahkar, Biomedicine & Pharmacotherapy 2018 101, 174180
7. Association of histamine with hypertension induced cardiac remodelling and reduction of hypertrophy with Histamine 2-receptor antagonist famotidine in comparison with beta blocker metoprolol, AG Potnuri, L Allakonda, A Appavoo, S Saheera, RR Nair 2018. Hypertension Research, Nature Publishing Group
8. Protective effect of antioxidant Tempol on cardiac stem cells in chronic pressure overload hypertrophy, S Saheera, AG Potnuri, RR Nair, life sciences 2019, 222, 88-93
9. Involvement of Histamine 2 receptor in Alpha 1 adrenoceptor mediated cardiac hypertrophy and oxidative stress in H9c2 cardio myoblasts, AG Potnuri, L Allakonda, S Saheera, J Cardiovasc Transl Res. 2021 Feb;14(1):184-194.
10. Beta 1 adrenoceptor blockade promotes angiogenesis in hypertrophied myocardium of TAC Rat, L Allakonda, A. Kakaraparthi, AG Potnuri. Clinical and Experimental Pharmacology and Physiology 48 (1), 121-128.