Anil K Pasupulati Ph.D.
Assistant Professor
Department of Biochemistry
University of Hyderabad, Hyderabad, INDIA

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: anilkumar@uohyd.ac.in

Web: http://sls.uohyd.ac.in/new/fac_details.php?fac_id=63

Bibliography: https://www.ncbi.nlm.nih.gov/myncbi/1lylrmfieLXQp/bibliography/public/

☏: +91-40-23134519 (office) +91-9493181349 (mobile)

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- **Research Interests:**

Diabetic nephropathy, Chronic Kidney Disease, Epithelial-Mesenchymal Transition, and Bioinformatics of Kidney.

- **Education:**

2008 Ph.D. Biochemistry, NIN-ICMR (Osmania University), Hyderabad, India.
2002 M.Sc. Biochemistry, Andhra University, Visakhapatnam, India.
2000 B.Sc. Microbiology, Acharya Nagarjuna University, Guntur, India.

- **Postdoctoral & Fellowship Appointments:**

2/2012 – 7/2014: DST-INSPIRE Faculty, National Institute of Nutrition, India.
8/2008 – 1/2012: Post-doctoral fellow, University of Michigan, Ann Arbor, USA.
9/2007 – 7/2008: Post-doctoral fellow, University of California, Irvine, USA.

- **Recognitions & Awards:**

2022. Associate Editor, Frontiers Medicine-Nephrology
2020. Yellapragada Gold Medal from BIO-NEST-UoH.
2018. DHR-INDIA Long-term Fellowship.
2016. ERA-EDTA Travel Award to participate International Podocyte Conference, Israel.
2014. Wood-Whelan Research Fellowship.
2012. FASEB Travel Award, Snowmass village, CO, USA.
2012. DBT-Wellcome Trust Early career Awardee (not availed).
2011. DST-INSPIRE Faculty Fellowship Awardee.
2010. Endocrine Trainee and Travel Award, ENDO, San Diego, CA.
2007. K.V. Rao Scientific Research Award in Biological Sciences.

- Grants: CSIR-1; SERB-3; DRDO-1; UGC-1; MHRD-1; DHR-1; ICMR-1.
- Book Chapter = 4
- Number of Ph.Ds. Awarded = 5
- Number of M.Sc. Dissertations = 22

- **Publications (53)**

53. AK Pasupulati, Atreya V Paturi. The Sponging effect of a LncRNA on a miRNA contributes to diabetic nephropathy. Commetary, **Molecular Therapeutics Nucleic Acids**, March 2022.

52. RGR Mooli, D Mukhi, **AK Pasupulati**, S Evers, I Sipula, M Jurczak, R Seeley, Y Shah, S Ramakrishnan.Intestinal HIF-2α Regulates GLP-1 Secretion via Lipid Sensing in L-Cells. **Cell Mol Gastroenterol Hepatol** 2021 Dec 11;S2352-345X(21)00254-X.

51. S Mulukula, V. Kambhampati, A Qadri, **AK Pasupulati.** Evolutionary conservation of intrinsically unstructured regions in slit-diaphragm proteins. **PLOS ONE** | https://doi.org/10.1371/journal.pone.0254917

50. R Nishad, V Tahaseen, R Kavvuri, A singh, M Motrapu, K Peddi, **AK Pasupulati.** Advanced-glycation end-products induce podocyte injury and contribute to proteinuria. **Frontiers in Medicine** DOI: 10.3389/fmed.2021.685447

49. R Nishad, D Mukhi, A Singh, M Motrapu, P Tammineni, AK Pasupulati. Growth hormone induces mitotic catastrophe of glomerular podocytes and contributes to proteinuria. **Cell Death & Disease.** 2021, DOI: 10.1038/s41419-021-03643-6

48. R. Nishad, P Meshram, A Singh, GB Reddy, AK Pasupulati. AGEs activate Notch signaling in podocytes and contribute to proteinuria. BMJ Open Diabetes Res Care. 2020 Jun;8(1):e001203.

47. A Singh, L Kolligundla, J Francis, **AK Pasupulati.** Deleterious effects of hypoxia on glomerular podocytes. J Cell Phy & Biochem. DOI: 10.1007/s13105-021-00788-y

46. SKM Narasimha, IS Kumar, K Garai, V Panneru, R Vadrevu, **AK Pasupulati.** Structural characterization and oligomerization of podocin. Biochem Biophys Reports. 2020;23:100774.

45. Anil Kumar P. Is Podocyte Injury During COVID-19 Infection Contributes To Proteinuria and Threat To Renal Failure? J Clin Nephrol Res 7(1): 1096.

44. Nakuluri K, Nishad R, Mukhi D, Kumar S, Nakka VP, Kolligundla LP, Narne P, Natuva SSK, Phanithi PB, **Pasupulati AK**. Cerebral Ischemia Induces TRPC6 via HIF1α/ZEB2 Axis in the Glomerular Podocytes and Contributes to Proteinuria. Scientific Reports. 2019 Nov 29;9(1):17897.

43. R Nishad, D Mukhi, V. Tahaseen, SK Mungamuri, AK Pasupulati. Growth hormone induces Notch signaling in glomerular podocytes. J Biol Chem. (2019) 294(44) 16109 –16122.

42. SKM Narasimha, PP Kar, R Vadrevu, **AK Pasupulati**. Intrinsically disordered regions mediate macromolecular assembly of the Slit diaphragm proteins associated with Nephrotic syndrome, Molecular Simulation. 2019; 45:8, 603-613.

41. K Nakuluri, D Mukhi, R Nishad, M Saleem, S Mungamuri, R Menon, **AK Pasupulati**. Hypoxia Induces ZEB2 in Podocytes: Implications in the Pathogenesis of Proteinuria. J Cell Physiol. 2019, 234(5):6503-6518.

40. AK Pasupulati, R Menon. Growth hormone and Chronic Kidney Disease. Curr Opin Nephrol Hypertens. 2019 Jan;28(1):10-15.

39. K Nakuluri, D Mukhi, S Mungamuri, **AK Pasupulati**. Stabilization of hypoxia-inducible factor 1α by cobalt chloride impairs podocyte morphology and slit-diaphragm function. J Cell Biochem, 2019 doi: 10.1002/jcb.28041.

38. T Sornapudi, R Nayak, P Guttikona, **AK Pasupulati**, S Kethavath, V Uppada, S Mondal, S Yellaboina, S Kurukuti. Comprehensive profiling of transcriptional networks specific for lactogenic differentiation of HC11 mammary epithelial stem-like cells. Scientific Reports, 2018, DOI: 10.1038/s41598-018-30122-4.

- **Peer-reviewing Activities:**

Reviewer for J Biol Chem, Molecular Therapy, Diabetologia, Endocrinology, J Cell Physiology, J Cell Biochem, J Cell Mol Med, Frontiers.

Reviewer for Grants: Polish Science Academy, UKUI, SERB-India.