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POSITIONS HELD

S.No	Period	Post	Organization
1	2021-Till date	Scientist	Asian Healthcare Foundation, AIG Hospitals, Hyderabad
2	2018-2021	Postdoctoral fellow	CSIR-Indian Institute of Chemical Technology
3	2016-2017	Scientist	RABS Pvt.Ltd Hyderabad, India

EDUCATIONAL QUALIFICATIONS

S.No	University/Institute	Degree	Subjects	Qualifying year
1	CSIR-Indian Institute of Chemical Technology	Ph.D.	Biological Sciences	2016
2	Osmania University	M.Sc.	Biotechnology	2010
3	Kakatiya University	B.Sc.	Biotechnology, Biochemistry, Chemistry	2007

PROMINENT RESEARCH AREAS:

My research interests are to understand the genetic alterations in DNA sequence or structure or pharmacogenes in drug response and, apply it to human health to develop safer and more effective drug therapy to treat diseases like cancer (Gastrointestinal cancers). Further, my research approach involves identification of novel biomarkers, drug-target identification and develops small molecules or repurposes the FDA drugs to pave the way for better therapeutic strategies. My technical expertise includes molecular biology, pharmacogenomics, bioinformatics, micro-, structural-, cellular and computational biology, structure based drug discovery and nanotechnology.

PATENTS, BOOK CHAPTERS & PUBLICATIONS

Google scholar: (<https://scholar.google.com/citations?user=G5BIO18AAAAJ&hl=en>)

PATENTS

1. Kamal, A, Ganga Reddy, V, Riyaz Syed, Poornachandra Yedla, and Ganesh Kumar Chityal. "(E)-4-(4-acrylamidophenoxy)-N-methylpicolinamide conjugates as potential anticancer agents." U.S. Patent 11,174,230, issued November 16, 2021. (US11174230B2)
2. Ahmed, K, Ganga Reddy, V, Riyaz Syed, Poornachandra Y, and C G Kumar. "(E)-4-(4-acrylamidophenoxy)-N-methylpicolinamide conjugates as potential anticancer agents." WIPO (PCT), issued January 1, 2020. (WO2017125946A1)/ (European Patent Office) EP3405457B1.

BOOK CHAPTERS

1. Ganesh Kumar, C., Sujitha, P., Poornachandra, Y., Sankalp, V. A. (2016) Synthesis, Characterization and Applications of NanoBioMaterials for Antimicrobial Therapy. *Nanobiomaterials in Antimicrobial Therapy*.VOL6- 103-152. (ISBN 978-0-323-42864-4)
2. Ganesh Kumar, C., Poornachandra, Y., Sujitha, P. (2017) Therapeutic nanomaterials: From a drug delivery perspective. *Nanostructures for Drug Delivery*. VOL 1; Chapter-1, 1-61 (ISBN: 978-0-323-46143-6)
3. Kumar, C.G., Sripada, S. and Poornachandra, Y., (2018). Status and future prospects of fructooligosaccharides as nutraceuticals. In *Role of Materials Science in Food Bioengineering* (pp. 451-503). Academic Press. (ISBN: 978-0-12-811448-3)

LIST OF PUBLICATIONS

1. S Faazil, Shaheer Malik, Saleh A Ahmed, Poornachandra Y, et al., 2022. *Bioorganic Chemistry*, 126, 105869.
2. Poornachandra Y, Korrapati Suresh Babu, Girinath G. Pillai et al., 2021. *Biomedicine & Pharmacotherapy*, 134 (2021) 111132.
3. Devi, Sanjeev; Kumar, Deepak; Jindal, Deepak Kumar; Poornachandra, Y; 2022. *Research on Chemical Intermediates*, 48, 423-455.
4. Routhu, Sunitha Rani, Yedla, Poornachandra, Amanchy Ramars, et al., 2021. *Bioorganic Chemistry*. 115, 105180.
5. Tangadanchu, V.K.R., Poornachandra, and Chityal, G.K., 2020. *Journal of Heterocyclic Chemistry*. (2020); 1-10
6. Machiraju, P.K., Poornachandra Yedla, Gubbala, S.P., et al., 2019. *Computational biology and chemistry*, 80, 374-383.
7. Rahim, A., Syed, R., Poornachandra, Y., Malik, M.S., et al., 2019. *Medicinal Chemistry Research*, 28(5), pp.633-645.
8. Devi, J., Yadav, M., Jindal, D.K., Kumar, D. and Poornachandra, Y., 2019. *Applied Organometallic Chemistry*, 33(10), p.e5154.

9. Chinde, Srinivas, Y. Poornachandra, Archana Panyala, et al., 2018. *Journal of Applied Toxicology* (2018) 1-8.
10. Kumar, G.S., Poornachandra, Y., Gunda, S.K., Reddy, K.R., et al., 2018. *Bioorganic & medicinal chemistry letters*, 28(13), pp.2328-2337.
11. Veeraswamy, B., Madhu, D., Dev, G.J., Poornachandra, Y., Kumar, G.S., et al., 2018. *Bioorganic & Medicinal Chemistry Letters*, 28(9), pp.1670-1675.
12. Swaroop, D.K., Kumar, N.R., Srigiridhar, K., Poornachandra, Y., Kumar, C.G., Babu, N.J., Kumar, G.S. and Narsaiah, B., 2018. *ChemistrySelect*, 3(8), pp.2398-2403.
13. Bingi Chiranjeevi, Poornachandra, Yedla, Ganesh Kumar, et al., 2018. *Letters in Drug Design & Discovery*. 15, 1020-1025.
14. Dev, Jitender, Y. Poornachandra, K. Ratnakar Reddy, et al., 2017. *European journal of medicinal chemistry* 130 (2017): 223-239.
15. Kumar, C. Ganesh, Yedla Poornachandra, Bandi Siva, K. Suresh Babu, and Kallaganti Venkata Siva Ramakrishna. *Microbiol. Biotechnol. Lett.* 45, no. 3 (2017): 200-208.
16. Parvathaneni, S. P., Y. Poornachandra, H. B. Vittam, et al., 2017. " *Anti-cancer agents in medicinal chemistry* (2017).
17. Yasa, Sathyam Reddy, Y. Poornachandra, C. Ganesh Kumar, and Vijayalakshmi Penumarthy. *Medicinal Chemistry Research* 26, no. 10 (2017): 2592-2601.
18. Kumar, G. Santhosh, Y. Poornachandra, K. Ratnakar Reddy, et al., *Synthetic Communications* 47, no. 20 (2017): 1864-1873.
19. Suresh, Lingala, P. Sagar Vijay Kumar, Y. Poornachandra, et al., *Bioorganic & medicinal chemistry letters* 27, no. 6 (2017): 1451-1457.
20. Yasa, S.R., Kaki, S.S., Poornachandra, Y., Kumar, C.G. and Penumarthy, V., 2017. *Medicinal Chemistry Research*, 26(8), pp.1689-1696.
21. Vudhgiri, S., Prasad, R.B.N., Poornachandra, Y., Kumar, C.G., et al., 2017. *Journal of Chemical Sciences*, 129(6), pp.663-677.
22. Reddy, Ratnakar K., Sravanthi G. Devi, Y. Poornachandra, Jagadeesh N. Babu, et al., *Journal of heterocyclic chemistry* 54, no. 6 (2017): 3607-3617.
23. Kumar, K. P., Kalpana Javvaji, Yedla Poornachandra, A. D. Allanki, and Sunil Misra. *Journal of Microbiology Research* 7, no. 2 (2017): 23-30.
24. Venepally, Vijayendar, R. B. N. Prasad, Y. Poornachandra, C. Ganesh Kumar, and Ram Chandra Reddy Jala. *Indian Journal of chemistry* (2017).
25. Jitender Dev, Yedla Poornachandra, Kuchukulla, Ratnakar Reddy, et al., *Journal of heterocyclic chemistry* 54, no. 1 (2017): 194-205.
26. Kaki, Shiva Shanker, R. B. N. Prasad, Poornachandra Yedla, and C. Ganesh Kumar. *Bioorganic & medicinal chemistry letters* 26, no. 1 (2016): 209-212.
27. Yasa, Sathyam Reddy, Shiva Shanker Kaki, Y. Poornachandra, C. Ganesh Kumar, and Vijayalakshmi Penumarthy. *Bioorganic & medicinal chemistry letters* 26, no. 8 (2016): 1978-1982.
28. Kumar, N. Ravi, Y. Poornachandra, D. Krishna Swaroop, et al.,. *Bioorganic & medicinal chemistry letters* 26, no. 21 (2016): 5203-5206.

29. Kumar, R. Naresh, Y. Poornachandra, P. Nagender, et al., *Bioorganic & medicinal chemistry letters* 26, no. 19 (2016): 4829-4831.
30. Nagender, P., Y. Poornachandra, C. Ganesh Kumar, and B. Narsaiah. *Bioorganic & medicinal chemistry letters* 26, no. 18 (2016): 4427-4432.
31. Mohini, Y., R. B. N. Prasad, M. S. L. Karuna, Y. Poornachandra, and C. Ganesh Kumar. *Bioorganic & medicinal chemistry letters* 26, no. 21 (2016): 5198-5202.
32. Venepally, Vijayendar, R. B. N. Prasad, Y. Poornachandra, et al., *Bioorganic & medicinal chemistry letters* 26, no. 2 (2016): 613-617.
33. Suresh, Lingala, P. Sagar Vijay Kumar, Y. Poornachandra, C. Ganesh Kumar, et al., *Bioorganic & medicinal chemistry* 24, no. 16 (2016): 3808-3817.
34. Nallapati, Suresh Babu, Y. Poornachandra, C. Ganesh Kumar, et al., *Advanced Synthesis & Catalysis* 358, no. 21 (2016): 3387-3393.
35. Suresh, Lingala, P. Sagar Vijay Kumar, Y. Poornachandra, C. Ganesh Kumar, and G. V. P. Chandramouli. *Bioorganic chemistry* 68 (2016): 159-165.
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37. Reddy, T. Vijai Kumar, BLA Prabhavathi Devi, R. B. N. Prasad, Y. Poornachandra, and C. Ganesh Kumar. *European journal of medicinal chemistry* 118 (2016): 98-106.
38. Kumar, Royya Naresh, Yedla Poornachandra, Punna Nagender, et al., *European journal of medicinal chemistry* 108 (2016): 68-78.
39. Srikanth, Vudhigiri, R. B. N. Prasad, Y. Poornachandra, VS Phani Babu, et al., *European journal of medicinal chemistry* 109 (2016): 134-145.
40. Hussaini, Syed Mohammed Ali, Poornachandra Yedla, Korrapati Suresh Babu, et al., *Chemical biology & drug design* 88, no. 1 (2016): 97-109.
41. Reddy, K. Siva Nagi, Gowravaram Sabitha, Y. Poornachandra, and C. Ganesh Kumar. *RSC Advances* 6, no. 103 (2016): 101501-101512.
42. Yarra, Mohini, Shiva Shanker Kaki, Poornachandra Yedla, and Ganesh Kumar Chityala. *European Journal of Lipid Science and Technology* 118, no. 4 (2016): 622-630.
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44. Sri Shanthi Praveena, Yedla Poornachandra, Chityal Ganesh Kumar, Nallapati Suresh Babu, Nandula Yadagiri Sreenivasa Murthy, and Sarbani Pal. *Letters in Drug Design & Discovery* 13, no. 3 (2016): 210-219.
45. Yelchuri, Vyshnavi, Prasad RBN, Y. Poornachandra, and Chityal Ganesh Kumar. *Journal of oleo science* 65, no. 12 (2016): 1023-1031.
46. Kumar, R. Naresh, G. Mallareddy, Y. Poornachandra, P. Ranjithreddy, C. Ganesh Kumar, and B. Narsaiah. *Indian Journal of Chemistry* (2016).
47. Vinayak, Botla, Marri Anil Reddy, Y. Poornachandra, and Ganesh C. Kumar. *Indian Journal of Chemistry* (2016).
48. Gautham Santhosh, Gaddameedi Jitender Dev, Yedla Poornachandra, Chityala Ganesh Kumar, and Banda Narsaiah. *Chemical and Pharmaceutical Bulletin* 63, no. 8 (2015): 584-590.

49. S. Chinna Gopal, R.B.N. Prasad, Y. Poornachandra, C. Ganesh Kumar, Ram Chandra Reddy Jala; *International Journal of Research in Pharmacy and Pharmaceutical Sciences*, 1, 23-28.
50. Kumar, Deepak, Y. Poornachandra, Kiwan Jang, C. Ganesh Kumar, Yong-Jin Yoon, Bao-Xiang Zhao, Jun-Ying Miao, and Dong-Soo Shin. *Bulletin of the Korean Chemical Society* 36, no. 2 (2015): 564-570.
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52. Maram, Lingaiah, C. Ganesh Kumar, Y. Poornachandra, and Biswanath Das. *Tetrahedron letters* 56, no. 31 (2015): 4631-4633.
53. Sreenu, Madhumanchi, Yedla Poornachandra, and C. Ganesh Kumar. *Journal of Dispersion Science and Technology* 36, no. 6 (2015): 765-771.
54. Sammaiah, Arukali, Y. Poornachandra, C. Ganesh Kumar, and R. B. N. Prasad. *European Journal of Lipid Science and Technology* 117, no. 5 (2015): 692-700.
55. Reddy, K. Ratnakar, Y. Poornachandra, G. Jitender Dev, G. Mallareddy, Jagadeesh B. Nanubolu, C. Ganesh Kumar, and B. Narsaiah. *Bioorganic & Medicinal Chemistry Letters* 25, no. 15 (2015): 2943-2947.
56. Bingi, Chiranjeevi, Y. Poornachandra, C. Ganesh Kumar, Jagadeesh Babu Nanubolu, and Krishnaiah Atmakur. *Bioorganic & medicinal chemistry letters* 25, no. 9 (2015): 1915-1919.
57. Y. Poornachandra and Kumar, C. Ganesh, " *Colloids and Surfaces B: Biointerfaces* 125 (2015): 110-119.
58. Kamal, Ahmed, Y. Poornachandra, Burri Nagaraju, SM Ali Hussaini, Siddiq Pasha Shaik, C. Ganesh Kumar, and Abdullah Alarifi. *Arabian Journal of Chemistry* (2015).
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60. Kamal, Ahmed, Y. Poornachandra, Faria Sultana, and C. Ganesh Kumar. *Organic & biomolecular chemistry* 13, no. 36 (2015): 9388-9397.
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70. Rao, P. Sambasiva, Y. Poornachandra, C. Ganesh Kumar, et al., *European journal of medicinal chemistry* 80 (2014): 184-191.
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73. Jangili, Paramesh, Jajula Kashanna, C. Ganesh Kumar, Y. Poornachandra, and Biswanath Das. *Bioorganic & medicinal chemistry letters* 24, no. 1 (2014): 325-327.
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78. Kumaraswamy, Bitla Sampath, Y. Poornachandra, C. Ganesh Kumar, Sahithya Phani Babu Vemulapalli, and Jagadeesh Bharatam. *Bioorganic & medicinal chemistry letters* 24, no. 18 (2014): 4439-4443.
79. Kamal, Ahmed, Syed Mohammed Ali Hussaini, Y. Poornachandra, G. Narender Reddy, C. Ganesh Kumar, Vikrant Singh Rajput et al. *Bioorganic & medicinal chemistry letters* 23, no. 24 (2013).
80. Chavva, K., J. Gaddamedi, Y. Poornachandra, C. G. Kumar, and N. Banda. *Bioorganic & medicinal chemistry letters* 23, no. 21 (2013).
81. Kaki, Shiva Shanker, Y. Poornachandra, C. Ganesh Kumar, and Rachapudi BN Prasad. 1123-1129." *European Journal of Lipid Science and Technology* 115, no. 10 (2013).

PROFESSIONAL MEMBERSHIPS, ACADEMIC AND PROFESSIONAL HONORS

- 2017 National award for excellence in research (Young scientist award)
- 2017 Life member in VIJNANA BHARATI
- 2016 Biotechnology Society of India (Life member)
- 2016 Editor for Biomedical Research Journal
- 2016 Member in International Society for Infectious Diseases
- 2016 Member in International Society for Environmental Information Sciences
- 2011 Qualified CSIR-JRF-NET
- 2010 Secured 98 percentile in National level entrance (GATE-2010)
- 2010 Qualified CSIR-JRF fellowship (National level entrance) for Ph.D program