Statement of Research Achievements, if any, on which any Fellowship has already been Received by the Applicant. Please also upload brief citations on the research works for which the applicant has already received the fellowships (Max. 1 MB) *

I was awarded Indo-UK PhD exchange fellowship by British Council to work on the Project entitled *"Towards new treatments for Leishmaniasis and Chagas disease through Natural Product chemistry*" under the supervision of Prof. Edward Anderson at Department of Chemistry, **University of Oxford, U.K.** I am really thankful to Prof. Edward A. Anderson (host), for giving me opportunity to work under his guidance and providing me a wonderful Health Sciences project on Design and Synthesis of novel Dehydrodieugenol Natural Product Analogues which are being investigated as potential leads for leishmaniasis and Chagas disease. The Department of Chemistry at the University of Oxford has a highly multicultural environment which enabled me to meet people from all over the world. This placement has provided me a range of training and helped me grow my research and interpersonal skills. All the synthesised compounds will be sent to the collaborator Professor André Tempone at Instituto Adolfo Lutz, São Paulo for biological testing and later we published our results in RSC Medicinal Chemistry Journal.

M. Amaral, H. Asiki, C. E. Sear, **S. Singh**, P. Pieper, M. M. Haugland, E. A. Anderson and A. G. Tempone. (**2023**) Biological Activity and Structure−Activity Relationship of Dehydrodieugenol B Analogues against Visceral Leishmaniasis. *RSC Med. Chem.,* 14, 1344-50. (Impact Factor: 4.1)

2. I was awarded Indo-Italy PhD exchange fellowship by MHRD to work on the project entitled *Synthesis of 8-hydroxyquinoline molecules as Hedgehog Gli-Inhibitors* under the supervision of Prof. Maurizio Taddei at the Department of Chemistry, **University of Siena, Italy.** I am really thankful to Prof. MAURIZIO TADDEI, for supporting my application & letting me work on a wonderful project on "Development of new sustainable synthetic methodologies to produce Hedgehog Signalling Pathway inhibitors" that represent as an opportunity in the quest for novel anticancer therapies. I synthesised about 40 molecules and later we tested them against neuroblastoma cancer cell line and Gli inhibitory activity, later we published the manuscript in *ACS Medicinal Chemistry Letters.*

M. Fabrizio, M. Luisa, C. Enrica, P. Sara, E. Cini, **S. Singh,** P. Governa, S. Maramai, G. Giannini, B. Stecca, E. Petricci. (**2022**) Quinolines and oxazino-quinoline derivatives as small molecule GLI1 inhibitors identified by virtual screening. *ACS Med. Chem. Lett., 13,* 1329-1336. (Impact factor: 3.5)