**CURRICULUM VITAE**

**Name (in Block Letters) : Dr. S. Sree Kanth**

**Date of Birth : 08-07-1982**

**Gender : Male**

**Marital Status : Married**

**Nationality : Indian**

**Category (tick the category) : OC**

**Place of work : Hyderabad**

**Department & College : Chemistry, University College for Women**

**Date of appointment : 18-01-2005**

**Current Designation : Assistant Professor (contract)**

**Address for correspondence (with Pin code): 24-33 Adarsh Nagar, Venkatapuram,**

**Trimulgherry (PO), Secunderabad 500015**

**Permanent Address (with Pin code) :**

Mobile No: 9490752287 Landline No. –NA-

Email ID: [sivan.sreekanth@gmail.com](mailto:sivan.sreekanth@gmail.com), [sivansreekanth@osmaina.ac.in](mailto:sivansreekanth@osmaina.ac.in)

**Academic Qualifications**

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| --- | --- | --- | --- | --- | --- |
| **Examination** | **Subject** | **Name of the Board / University** | **Year of Passing** | **Percentage of marks obtained** | **Division / Class / Grade** |
| High School / Matric |  | CBSE | 1997 | 63.4 | 1st |
| Intermediate | Bio, Phy, Chem | CBSE | 1999 | 64.0 | 1st |
| Under Graduation | Bot., Zoo., Chem., | Osmania University | 2002 | 69.11 | 1st |
| Post-Graduation | Chemistry (Inorganic Chemistry) | Osmania University | 2004 | 70.1 | 1st |
| Other examination (if any) |  |  |  |  |  |

**Research Degree (s)**

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| --- | --- | --- | --- |
| **Degrees** | **Title** | **Date and year of award** | **University** |
| M.Phil. |  |  |  |
| Ph.D | **Design and Synthesis of Highly Potent Molecules for Inhibition of AIDS** | 11 -10-2012 | Osmania University |
| Post Doctoral |  |  |  |
| D.Sc. / D.Litt. |  |  |  |

**Appointments held prior to joining the Osmania University service**

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| **Designation** | **Name of the Employer** | **Date of** | |
| Joining | Leaving |
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**Teaching experience**

**P.G. level : 17**

**U.G. level : 17**

**Research Experience excluding years**

**spent in pursuing M.Phil. / Ph. D : 9**

**Fields of Specialization under the Subject / Discipline :** Computer Aided Drug Design, Molecular Modeling

**Orientation / Refresher Courses attended at Academic Staff Colleges**

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| **Name of the Course / Summer School** | **Academic Staff College / University/Others** | **Duration** | **Sponsoring Agency** |
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**Student related co-curricular extension and field based activities:**

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| --- | --- | --- | --- |
| **Academic Year (**June 1st of every year -31st May of every year**)** | **Discipline related co-curricular activities (e.g. remedial classes, career counseling, study visit, student seminars and other events)** | **Other co-curricular activities (cultural, sports, NSS, NCC, etc.)** | **Extension and dissemination activities (public / popular lectures / talks / seminars, etc.)** |
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**Administrative Responsibilities held in the Department & Institution**

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| **Academic Year** | **Administrative Position Held** |
| **2020-2021** | **Assistant Coordinator, IQAC, Nizam College** |
| **2021-2022** | **Assistant Coordinator, IQAC, Nizam College/ UCW** |
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**Paper Presentations in seminars, conferences**

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| **Academic Year** | **Title of the Paper presented** | **Name of the Event** | **Place** |
| 2017 | **Development of Pharmacophore based 3D QSAR model for virtual screening of TRPM8 antagonist** | Biodiveristy and Human Health, 17-18th November, 2017 | Nizam College |
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**Short term training courses, talks, Guest lectures**

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| **Academic Year** | **Title** | **Place and date** |
| 2017 | Introduction to Computer Aided Drug Design - Role of Spectroscopy and Chromatography in CADD | 30-08-2017 at Govt. Degree & PG College for Women Hussainialam, Hyderabad |
| 2016 | In Silico Drug Design Methods | 28-11-2016 and 05-12-2016 at UGC-HRDC, JNTUH, Hyderabad |
| 2015 | QSAR, Docking study & ADME prediction | 05-11-2015, UGC-HRDC, JNTUH, Hyderabad |

**Research papers (in UGC recognized and Peer reviewed Journals)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Title of the Paper** | **Journal Name** | **ISSN No.** |
| **2020-2021** | **Understanding structural characteristics of PARP-1 inhibitors through combined 3D-QSAR and molecular docking studies and discovery of new inhibitors by multistage virtual screening** | *Structural Chemistry* | 1040-0400 |
|  | **Interaction of vanadium metal complexes with protein tyrosine phosphatase-1B enzyme along with identification of active site of enzyme by molecular modeling** | Inorganic Chemistry Communications | 1387-7003 |
|  | **Identification of therapeutic target in S2 domain of SARS nCov-2 Spike glycoprotein: Key to design and discover drug candidates for inhibition of viral entry into host cell** | *Journal of Theoretical and Computational Chemistry* | 2737-4165 |
|  | **Homology modelling and virtual screening to explore potent inhibitors for MAP2K3 protein** | *Structural Chemistry* | 1040-0400 |
|  | **Synthesis and Antimicrobial Activity of Novel Bis-1,2,3-triazol-1H-4-yl-substituted Aryl Benzimidazole-2-thiol Derivatives** | Russian Journal of General Chemistry | 1070-3632 |
|  | **Computational design, synthesis and evaluation of new sulphonamide derivatives targeting HIV-1 gp120** | Journal of Computer-Aided Molecular Design | 0920-654X |
| **2019-2020** | **Integrated molecular docking, 3D QSAR and molecular dynamics simulation studies on indole derivatives for designing new Pim-1 inhibitors** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
|  | **Identification of potential Aurora kinase-C protein inhibitors: an amalgamation of energy minimization, virtual screening, prime MMGBSA and AutoDock** | *Journal of Biomolecular Structure and Dynamics* | 0739-1102 |
|  | **Synthesis, biological evaluation and molecular docking studies of novel 1, 2, 3-triazole tethered chalcone hybrids as potential anticancer agents** | *Journal of Molecular Structure* | 0022-2860 |
| **2018-2019** | **Molecular docking, 3D-QSAR, molecular dynamics, synthesis and anticancer activity of tyrosine kinase 2 (TYK 2) inhibitors** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
|  | **Synthesis, Characterization, Molecular Docking, and Antimicrobial Activity of New Arylidene-Substituted Imidazoles** | *Russian Journal of General Chemistry* | 1070-3632 |
|  | **Synthesis of Biaryl Derivatives of Spirofurochromanone in Water and Their Anticancer Activity** | *Russian Journal of General Chemistry* | 1070-3632 |
|  | **Computational studies on N-phenyl pyrrole derivatives as MmpL3 inhibitors in Mycobacterium tuberculosis** | *Computational biology and chemistry* | 1476-9271 |
|  | **Discovery and design of new PI3K inhibitors through pharmacophore-based virtual screening, molecular docking, and binding free energy analysis** | *Structural Chemistry* | 1040-0400 |
|  | **Synthesis, spectral characterization, antimicrobial, DNA interactions and molecular modeling studies of metal complexes of 1, 3-benzothiazole carbohydrazone** | *Journal of Chemical Sciences* | 0974-3626 |
|  | **A Quest for New Antimalarial Agents with Improved Specificity Guided by Molecular Docking, 3D QSAR and Molecular Dynamics Simulation Studies** | *Asian Journal of Chemistry;* | 0970-7077 |
| **2017-2018** | **Computational analysis of epidermal growth factor receptor mutations predicts differential drug sensitivity profiles towards kinase inhibitors** | Journal of Thoracic Oncology | 1556-0864 |
|  | **Structural insights of Staphylococcus aureus FtsZ inhibitors through molecular docking, 3D-QSAR and molecular dynamics simulations** | Journal of Receptors and Signal Transduction | 1079-9893 |
|  | **Pharmacophore modeling, 3D-QSAR, docking, and molecular dynamics simulation on topoisomerase IV inhibitors of wild type Staphylococcus aureus** | Structural Chemistry | 1040-0400 |
|  | **Multiple-receptor conformation docking, dock pose clustering, and 3D QSAR-driven approaches exploring new HIV-1 RT inhibitors** | Structural Chemistry | 1040-0400 |
|  | **Rational design of methicillin resistance staphylococcus aureus Inhibitors through 3D-QSAR, molecular docking and molecular dynamics simulations** | Computational Biology and Chemistry | 1476-9271 |
|  | **Spectro Analytical, Computational and In Vitro Biological Studies of Novel Substituted Quinolone Hydrazone and it’s Metal Complexes** | Journal of fluorescence | 1053-0509 |
|  | **Molecular Dynamics and MM/GBSA integrated protocol probing the correlation between biological activities and binding free energies of HIV-1 TAR RNA inhibitors** | *Journal of biomolecular Structure & Dynamics* | 0739-1102 |
|  | **Synthesis, biological evaluation and molecular docking of spirofurochromanone derivatives as anti-inflammatory and antioxidant agents** | RSC Advances | 2046-2069 |
|  | **Molecular Modeling driven approach for identification of Janus kinase 1 Inhibitors through 3D-QSAR, Docking and Molecular Dynamics Simulations** | Tumor Biology | 1010-4283 |
| **2016-2017** | **Identification of Novel Anti Cancer Agents by applying Insilico Methods for Inhibition of TSPO Protein** | Computational Biology and Chemistry | 1476-9271 |
|  | **Integrating Multiple Receptor Conformation Docking and Multi Dimensional QSAR for Enhancing Accuracy of Binding Affinity Prediction** | Current computer-aided drug design | **1573-4099** |
|  | **Synthesis, Spectral Characterization, DNA/ Protein Binding, DNA Cleavage, Cytotoxicity, Antioxidative and Molecular Docking Studies of Cu(II)Complexes Containing Schiff Base-bpy/Phen Ligands** | Journal of fluorescence | 1053-0509 |
|  | **A novel piperazine linked β-amino alcohols bearing a benzosuberone scaffolds as anti-proliferative agents** | Bioorg. Med.Chem. Lett | 0960-894X |
|  | **Microwave assisted synthesis, biological evaluation, and molecular docking of novel chroman scaffolds incorporating spirochromanone framework** | Medicinal Chemistry Research | 1054-2523 |
| **2015-2016** | **Molecular docking, 3D QSAR and dynamics simulation studies of imidazo-pyrrolopyridines as janus kinase 1 (JAK 1) inhibitors** | Computational biology and chemistry | 1476-9271 |
|  | **Molecular Docking, MM/GBSA and 3D-QSAR Studies on EGFR Inhibitors** | *Journal of Chemical Sciences* | 0974-3626 |
|  | **An integrated molecular modeling approach for insilico design of new tetracyclic derivatives as ALK inhibitors** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
|  | **Molecular docking and MM/GBSA integrated protocol for designing small molecule inhibitors against HIV-1 gp41** | Medicinal Chemistry Research | 1054-2523 |
| **2014-2015** | **Multiple receptor conformation docking, dock pose clustering and 3D QSAR studies on human poly(ADP-ribose)polymerase-1 (PARP-1) inhibitors** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
|  | **3D QSAR based design of novel oxoindole derivative as 5HT7 inhibitors** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
| **2013-2014** | **Molecular docking guided structure based design of Symmetrical N, N' - disubstituted urea/thiourea as HIV-1 gp120 - CD4 binding inhibitors** | **Bioorg. Med. Chem** | 0968-0896 |
| **2012-2013** | **Molecular Docking and 3D-QSAR studies on Inhibitors of DNA Damage Signaling Enzyme Human PARP – 1** | *Journal of Receptors and Signal Transduction* | 1079-9893 |
|  | **Multiple Receptor Conformation Docking and dock pose clustering as a tool for CoMFA and CoMSIA analysis – A case study on HIV – 1 Protease Inhibitor** | J. Mol. Model | 1610-2940 |
|  | **Design, synthesis, Molecular docking and biological evaluation of new dithiocarbamates substituted benzimidazole and chalcones as possible chemotherapeutic agents** | Bioorg. Med. Chem. Lett | 0960-894X |
| **2011-2010** | **Molecular Docking and 3D-Qsar Studies on Triazolinone and Pyridazinone, A Non-Nucleoside Inhibitor of HIV-1 Reverse Transcriptase** | J. Mol. Model | 1610-2940 |
| **2007-2008** | **Computational design of novel cyclic urea as HIV-1 protease inhibitor** | *Cent. Eur. J. Chem.,* | 2391-5420 |

**Publications of articles in books, chapters in books**

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| --- | --- | --- | --- | --- |
| **Year** | **Title of the Article/ Chapter** | **Title of the Book (editor name)** | **Publisher/Place** | **ISBN No.** |
|  |  |  |  |  |

**Publications of Books**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Title of the Book** | **Publisher** | **Place** | **ISBN No.** |
| **2018** | **Molecular Modeling Using Open Source Software’s** |  | **Hyderabad** | 978-81-925653-1-6 |
| **2018** | **Chemistry Practical Manual – For B. Sc** |  | **Hyderabad** | 978-93-5346-499-8 |
|  |  |  |  |  |

**Research Projects**

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| --- | --- | --- | --- | --- |
| **Year** | **Title of the Project** | **Sponsoring Agency** | **Amount Sanctioned** | **Year of Completion** |
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**Research Guidance- No of Students**

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| --- | --- | --- |
| **Year** | **No. of Students** | **Status of Research** |
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**Fellowships/Awards**

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| **Year** | **Fellowships/Awards from academic bodies / academic associations** |
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**27. Development of e-learning modules / material developed**

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| **Year** | **E-learning modules / material developed** |
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**28. Any other Information**

**Date: 06-02-2022**

**Place: Hyderabad Signature**