**CURRICULUM VITAE**

**Name (in Block Letters) :** DR.KSN JYOTHI

**Date of Birth : 25-08-1981**

**Gender : FEMALE**

**Marital Status : MARRIED**

**Nationality : INDIAN**

**Category (tick the category) : √ / SC / ST / BC (A,B,C,D,E)**

**Place of work : UNIVERSITY COLLEGE FOR WOMEN**

**Department & College :** DEPT OF GENETICS AND BIOTECHNOLOGY,

UCW, KOTI, HYDERABAD

**Date of appointment : 15-07-2003**

**Current Designation : ASSISTANT PROFESSOR (C)**

**Address for correspondence (with Pin code): Plot no 151, Road no 4/3,**

**Chanakyapuri, Nagole,**

**Hyderabad- 500068**

**Permanent Address (with Pin code) : Plot no 151, Road no 4/3,**

**Chanakyapuri, Nagole,**

**Hyderabad- 500068**

Mobile No………..……9676083339…………… Landline No. …………-…………..

Email ID: [drksnjyothi@gmail.com](mailto:drksnjyothi@gmail.com); [ksn.jyothi@osmania.ac.in](mailto:ksn.jyothi@osmania.ac.in)

**Academic Qualifications**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Examination** | **Subject** | **Name of the Board / University** | **Year of Passing** | **Percentage of marks obtained** | **Division / Class / Grade** |
| High School / Matric |  | SSC | 1996 | 87 | First with Distinction |
| Intermediate | BiPC | Intermediate Board of Education | 1998 | 90 | First with Distinction |
| Under Graduation | B.Sc FBBc  (Food&Nutrition, Botany, Biological Chemistry) | Osmania University | 2001 | 84 | First with Distinction |
| Post-Graduation | M.Sc Biochemistry | Osmania University | 2003 | 77.5 | First with Distinction |
| Other examination (if any) |  |  |  |  |  |

**Research Degree (s)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degrees** | **Title** | **Date and year of award** | **University** |
| M.Phil. |  |  |  |
| Ph.D | Isolation, Purification and Characterisation of an alpha amylase inhibitor from the medicinal herb *Oxalis corniculata* | November 2017 | Acharya Nagarjuna University, Guntur |
| Post Doctoral |  |  |  |
| D.Sc. / D.Litt. |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Designation** | **Name of the Employer** | **Date of** | |
| Joining | Leaving |
|  |  |  |  |
|  |  |  |  |

**Teaching experience**

**P.G. level : 18 YEARS**

**U.G. level : 18 YEARS**

**Research Experience excluding years**

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

1. Project work done on *“Isolation and Purification of alpha crystalline from bovine serum albumin”* at the Biochemistry division, National Institute of Nutrition, Hyderabad during April- June 2002 as a part of MSc Dissertation.
2. Guided 20 MSc Biotechnology students for their project work on the “Evaluation of alpha amylase inhibitory potential of indigenous medicinal plants” during the years 2010-11; 2011-12.

**Fields of Specialization under the Subject / Discipline: BIOCHEMISTRY, MOLECULAR BIOLOGY**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Course / Summer School** | **Academic Staff College / University/Others** | **Duration** | **Sponsoring Agency** |
| ONLINE FDP on Advanced Bio-informatics (Interdisciplinary) | E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering | 18th Nov – 27th Nov 2021 |  |
| International Faculty Development Program (Virtual) on Recent trends in transforming life sciences- Focus on Academia and Industry Symbiosis | Dept of Biotechnology, Nizam College in association with Govt. City college and Loyola College. | 13th -18th September 2021 |  |
| One Week Faculty Development Program on “Strategies for Transformation into an Effective Teacher” | Internal Quality Assurance Cell, University College for Women, Koti, Hyderabad | 14th to 19th July 2021. |  |
| **Nutraceuticals: Basics &**  **Beyond** | **AICTE Training And Learning (ATAL) Academy Online Elementary FDP** | 12th July-16th July 2021 | MHRD |
| FDP on \*BASICS OF BIOINFORMATICS | E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering | 26th May - 04th June 2021 |  |
|  |  |  |  |
| FDP ON "ADVANCED CONCEPTS FOR DEVELOPING MOOCs (Online  Teaching, Learning & Assessment)" | Department of Chemistry,  UCW, Koti, Hyd. | 27-07-2020 to  02-08-2020 | University College for Women, Koti |
| Seven-day Faculty Development Programme in “Online Teaching, Learning & Assessment in Higher Education” from | Examination Branch, University College for Women, Koti, Hyderabad | 7 days  25th June, 2020 to 1st July, 2020. | University College for Women, Koti |
| One week webinar cum FDP series on “CURRENT PROGRESS AND FUTURE PROSPECTS OF BIOTECHNOLOGY”. | Department of Biotechnology,  Chaitanya Bharathi Institute of Technology (A), Hyderabad. | 8th June- 13th June 2020 |  |
| Global initiative of academic Networks (GIAN) course on  Systems Biology for Drug Discovery and Personalized Medicine | School of Life Sciences, University of Hyderabad | July 2nd to July 14th, 2018. | MHRD |

**Student related co-curricular extension and field based activities:**

|  |  |  |  |
| --- | --- | --- | --- |
| **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.)** |
| 2011 |  | 1. Annual Cultural and literary competitions  2. MC for College day and Sports day | 1. Seminar **‘Advanced Research Trends in Medical Biotechnology’** March 5, 2011 |
| 2012 |  | 1. Annual Cultural and literary competitions  2. MC for College day and Sports day | 1. Two Day Teacher’s Workshop **‘Advanced Techniques of Gene Expression Analysis – Real-Time PCR & Microarrays’** February 15-16, 2012  2. One Day Awareness Camp **“Good Health Maintenance of Women”** 14 August 2012 |
| 2014 | **1.** Educational tour with MSc Biotechnology Students to **IICT (**Indian Institute of Chemical Technology) Hyderabad | 1. Annual Cultural and literary competitions  2. MC for College day and Sports day Organizers  3. NAVATHI CELEBRATIONS: 90 Years of UCW, Koti | 1. Two-Day Faculty Development Workshop **Molecular Biotechnology and** **Bioin­formatics** in association with Indigenese Biotechnologies, Hyderabad. 26-27 June2014 |
| 2015 |  | 1. Annual Cultural and literary competitions  2. MC for College day and Sports day | 1.Two-day UGC sponsored National Conference on **New Frontiers in Bio-technology** **Prospects and Challenges’** 29-30  January 2015. |
| 2016 |  | 1. Annual Cultural and literary competitions  2. MC for College day, Traditional day and Sports day | 1.One day Workshop **“Entrepreneurship Development and Funding Opportunities in Life Sciences”** February 03, 2016  2. **“Awareness camp for Anemia and Genetic Disorders”** August 11 2016  3. One Day Symposium **“Trends in Forensic Biotechnology”** 19 October 2016 |
| 2017 |  | 1. Annual Cultural and literary competitions  2. MC for College day, Traditional day and Sports day | 1. Coordinator of One day National Seminar **“New Vistas on Biotechnology for Sustainability”** 7 November 2017 |
| 2018 | **1.** Educational tour with MSc Biotechnology Students to **LaCONES (**Laboratory for the Conservation of Endangered Species) Hyderabad | 1. Annual Cultural and literary competitions  2. MC for College day, Traditional day and Sports day | 1. Convener for One Day Seminar **“Environmental Biotechnology – Sustainable Approach to Protect Nature.”** 16 September 2018  2. **Bridge educational program** in association with National Institute of Animal Biotechnology (NIAB) |
| 2019 | 1. Resource person for **Student Induction Program,** July 2019  2. National Science Day celebrations **“Sci-Fiesta2019”** 28February 2019 | 1. Annual Cultural and literary competitions  2. MC for College day, Traditional day and Sports day | 1. Coordinator for 4 day workshop on **Bioinformatics tools** in collaboration with ProBiotechnica 18th -21st June, 2019 |
| 2020 | 1. Programme Coordinator for One Day Webinar “**Techniques in Molecular Biology : a Virtual laboratory Insight”** 12th August 2020  2. Resource person for **Student Induction Program,** 21-23 Dec 2020 | 1. Annual Cultural and literary competitions  2. MC for College day and Sports day | 1. Organizer of One Week Faculty Development Programme **Contemporary Teaching, research and academic excellence in the perspective of Personality development (CRAPD-2020)** 21st – 28th Jan, 2020  2. Two day Virtual Orientation Workshop **‘Jewelry Traditions of India’** 8-9 Oct 2020 |
| 2021 |  | 1. Organizer **Teacher’s Day** Celebrations, 6 Sep 2021 | 1. Organiser for One day webinar ‘**Clinical Awareness and Biotechnological Interventions To Combat Covid-19’** 19th June 2021  2. Session Coordinator for the session **“The teaching profession for effective communication”** at One Week Faculty Development Program ‘**Strategies for Transformation into an Effective Teacher’** 14-19July 2021 |

**Administrative Responsibilities held in the Department & Institution**

|  |  |
| --- | --- |
| **Academic Year** | **Administrative Position Held** |
| **2013-15; 2020- ongoing** | **Incharge Head, Dept of Genetics & Biotechnology, UCW** |
| **2011- till date** | **Student advisor, UCW** |
| **2012-till date** | **Secretary, Alumni association, UCW** |
| **2012-2020** | **Incharge, Science club, UCW** |
|  |  |

**Paper Presentations in seminars, conferences**

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic Year** | **Title of the Paper presented** | **Name of the Event** | **Place** |
| 2020 | Therapeutic potential of a proprietary seed spice powder- A review | National E-conference on Advances in Science, technology, Commerce and Management | Aurora’s degree and PG college, Hyderabad. |
| 2020 | Bioactive constituent of *Oxalis corniculata*, a potential alpha amylase inhibitor- an *In silico* docking analysis | International Conference on Material Science for Societal Development (MSSA-2020) | Osmania University |
| 2019 | *Costus igneous*- a potential medicinal plant | National Conference on Current Status and Future Prospects of Biotechnology | Department of Biotechnology, Nizam’s College, Hyderabad |
| 2018 | Mass Spectroscopy based Proteomics for identification of a novel alpha amylase inhibitor | International Conference on **Emerging trends in Spectroscopic techniques and applications** | Department of Chemistry, UCW, Koti |
| 2018 | Mighty chondrion : a probable villian | International Conference on **Integrative Biology and Applied Genetics** | Department of Genetics, OU |
| **2017** | Structure prediction of a novel alpha amylase inhibitor from the medicinal herb  *Oxalis corniculata* | National Conference on **Plant science Research: Current status & Future Challenges** | Department of Botany  UCW, Koti |
| **2017** | Evaluation of Alpha amylase inhibitory potential of 30 indigenous medicinal plants | National Conference on **Biodiversity and Human Health** | Department of Botany,  Nizam College. |
| **2014** | Therapeutic potential of *Achyranthes aspera-* Health benefits for Women” | **National Conference on Women’s Health and Nutrition: Emerging Trends and Challenges** | UCW, KOTI |
| **2013** | *Oxalis corniculata – a potential herb in the treatment of diabetes* | **International Conference on Alternative and Traditional medicine** | OMICS Group, Radisson Plaza, BanjaraHills, Hyderabad |
| **2013** | *“Herbal Medicine- a boon for sustainable health care”* | **National Seminar on Student Centric Creative Research (SCCR-2013)** | St. Pious degree and PG college, Hyderabad |
| **2012** | *Applications of Biotechnology in Disaster Management* | International Conference on Disaster Management: Preparedness, Response & Rehabilitation (India) | NGRI, Hyd |
| **2012** | *Traditional Medicinal plants- a remerging faith in the treatment of Life style diseases* | **National conference on Current status & recent advances in Medicinal and Aromatic plant research** | Aurora’s Degree and PG college, Hyd |
| **2011** | *Invitro analysis of alpha amylase inhibitory activity of some potential medicinal plants* | International Symposium on “Innovations in Free radicals Research and Experimental therapeutics | Coimbatore |
| **2011** | *In silico identification of potential drug targets for Bacillus cereus 03BB102 responsible for major foodborne diseases* | World Congress on Biotechnology | HICC, Hyd |

**Short term training courses, talks, Guest lectures**

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic Year** | | **Title** | **Place and date** |
| 2021 | | Guest lecture on Recombinant DNA technology | BJR GOVT DEGREE COLLEGE, HYDERABAD |
| 2021 | | Guest lecture on LIPIDS AND LIPID METABOLISM | JAGRUTHI DEGREE COLLEGE, HYDERABAD |
| 2020 | | CAREER OPPORTUNITIES IN BIOTECHNOLOGY | JAGRUTHI DEGREE COLLEGE, HYDERABAD |
| 2020 | | REGULATION OF GENE EXPRESSION IN EUKARYOTES | LOYOLA DEGREE AND PG COLLEGE, HYD |
| 2016 | Guest lecture on CHROMATOGRAPHY | | GOVT CITY COLLEGE, HYDERABAD |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Title of the Paper** | **Journal Name** | **ISSN No.** |
| **2019** | Mass spectroscopy-based Proteomics for identification of a novel alpha amylase inhibitor | *Journal of Applicable chemistry* | ISSN : 2278-1862 |
| **2015** | Isolation,purification and characterization of an -amylase inhibitor from *Oxalis corniculata* | *IJIRSET* | ISSN: 2319-8753 |
| **2014** | Identification of a proteinaceous α- amylase inhibitor from *Oxalis corniculata* | *J. of Homeopathy&Ayurvedic Medicine* | ISSN: 2167-1206 |
| **2013** | Comparative analysis of α- amylase inhibitory potential of six ornamental medicinal plants | *J. Nat. Prod. Plant Resour*. | ISSN: 2231-3184 |
| **2011** | Evaluation of α- amylase inhibitory potential of the medicinally important traditional wild food plants of India | *International Journal of Green Pharmacy* | **ISSN - 0973-8258** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Title of the Article/ Chapter** | **Title of the Book (editor name)** | **Publisher/Place** | **ISBN No.** |
| **2018** | In Silico Characterization of Plant Secondary Metabolites | In silico approach for Sustainable Agriculture | Springer Nature Singapore Pte Ltd. | ISBN 978-981-13-0346-3 |
| **2020** | **Genetics and Cell Biology Chapter** | **BSc Botany textbook for Semester V** | **Ambedkar Open University** |  |
|  |  |  |  |  |

**Publications of Books**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Title of the Book** | **Publisher** | **Place** | **ISBN No.** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Research Projects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Title of the Project** | **Sponsoring Agency** | **Amount Sanctioned** | **Year of Completion** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Research Guidance- No of Students**

|  |  |  |
| --- | --- | --- |
| **Year** | **No. of Students** | **Status of Research** |
|  |  |  |

**Fellowships/Awards**

|  |  |
| --- | --- |
| **Year** | **Fellowships/Awards from academic bodies / academic associations** |
| 2003 | **J**AYASHREE KANNAN GOLD MEDAL FOR SECURING HIGHEST MARKS IN PG BIOCHEMISTRY, OSMANIA UNIVERSITY |

**27. Development of e-learning modules / material developed**

|  |  |
| --- | --- |
| **Year** | **E-learning modules / material developed** |
| **2021** | Developin Biochemsitry e-learning content in the form of video lectures for the organisation “Prakara” |
|  |  |
|  |  |
|  |  |

**28. Any other Information**

**Date: 27-09-2021**

**Place: HYDERABAD Signature**