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Name : Hanumanth Surekha Rani
Date of Birth : 24-04-1970
Designation : Associate Professor
Date of Appointment : 15-05-2007
Residence : 16-2-751/E/4/A, Plot No 1528, Venkatadrinagar, Asmangadh,
Malakpet, Hyderabad- 500 036, TelanganaState.

ACADEMIC POSITION HELD AT PRESENT

Position	University	Duration
Associate Professor Dept. of Genetics & Biotechnology	Osmania University	15.05.2019 - Till date
Assistant Professor Dept. of Genetics & Biotechnology	Osmania University	15.05.2007 - 14.05.2019
Vice Principal University College of Science	Osmania University	06.02.2021- 08.12.2021
Chairperson BOS Genetics Dept. of Genetics & Biotechnology	Osmania University	18.04.2017-16.12.2021
Chairperson BOS Biotechnology Dept. of Genetics & Biotechnology	Osmania University	11.09.2014-16.11.2017

ACADEMIC PROFILE

Academic qualification	University	Subject	Year	Division
PhD	Osmania University	Genetics	2001	1 st
MSc	Osmania University	Genetics	1993	1 st
BSc	Osmania University	Genetics	1991	1 st

AWARDS

1. Bharat Jyoti Award and Certificate of Excellence -2012
2. Joint CSIR - UGC - National level test for Junior Research Fellowship & Eligibility for Lecturer ship -1994.
3. Graduate Aptitude Test in Engineering & Life Sciences - 1993 - 82.41 percentile score
4. National Merit Scholarship –1986
5. A.P.M.E. Meritorious Award -1986

FELLOWSHIP & POSITION

Position	Funding Agency	Year	Institute
Scientist & Incharge of Diagnostic Services of Dept of Cell Biology		23-09-2004 to 14-05- 2007	Institute of Genetics, OU
Post-Doctoral Fellowship	DBT	01-02-2002 to 22-09-2004	Institute of Genetics, OU
Project Assistant	UGC	11-11-1999 to 30-01-2002	Institute of Genetics, OU
SRF	UGC	27-06-1996 to 26-06-1999	Mahavir Hospital & Research Centre, OU
JRF	UGC	26-06-1994 to 26-06-1996	Mahavir Hospital & Research Centre, OU

WORKSHOPS ATTENDED (7)

1. Diagnostic techniques sponsored by DBT & CSIR at CBT New Delhi, May, 1997
2. National workshop on genetic diagnosis and management of congenital hearing impairment. On March 10th -15th, 2003 at Department of Genetics, Osmania University, Hyderabad
3. Fluorescence in situ hybridization and Stress Genetics techniques on Oct 22nd -27th, 2006 in Dept of Hematology at CMC, Vellore
4. Basic Principles and practices of good laboratory practice on 26th November 2008 at National Institute of Nutrition Hyderabad sponsored by DST
5. Technology Management-University-Industry Interaction on 9th September 2010 at Osmania University, Hyderabad
6. Attended the workshop on "Enabling Technologies in Immunodiagnostics and Therapy organized by Indian Immunology Society – GMERF National CME at Global Hospitals, Hyderabad on 23rd - 24th August 2013
7. Attended workshop on "User Awareness Workshop on Use of Turnitin Anti-Plagiarism Software" on 9th August 2018 at Osmania University, Hyderabad

ORIENTATION PROGRAMME (3)

1. Newly appointed Assistant Professors in the Faculty of Science for a 10 day Orientation Programme from 12th June to 22nd June, 2007 at Osmania University Centre for International Programmes, OU Campus, near Institute Of Public Enterprise
2. Orientation programme sponsored by UGC from 25-06-2008 to 23-07-2008 at academic staff College, Osmania University
3. One Day Orientation Programme on Skills for Placements on 21st December 2012 at Osmania University, Hyderabad

REFRESHER PROGRAMME (4)

1. Refresher programme sponsored by UGC from 4-09-2012 to 26-9-2012 at Academic Staff College, Osmania University
2. Refresher programme sponsored by UGC from 15-12-2015 to 21-01-2016 at Academic Staff College, Osmania University
3. UGC sponsored short term course from 25.02.2019 to 02.03.2019 at Academic staff College, Osmania University.
4. UGC sponsored short term course from 26.08.2019 to 31.08.2019 at UGC-AcademicStaff College, Osmania University.

TEACHING EXPERIENCE (1994 – TILL DATE)

- Immunology (Theory & Practical's) to undergraduate Biotechnology students attending Mahavir Hospital and Research Centre (1994- 2001)
- Immunology (Theory & Practical's) and Medical Genetics (Theory & Practicals) to undergraduate Biotechnology students and post graduate students of Life Sciences attending Institute of Genetics (2001-to May 2007)
- Medical Genetics to M.Sc nursing students of Govt. Nursing College & B.Sc nursing students of Eashwari Bai College of Nursing, Hyderabad attending Institute of Genetics (2005 to 2007)
- Genetics and Biotechnology to M.Sc(Genetics) students of Dept. of Genetics & Biotechnology, O.U
- Genetics and Biotechnology to B.Sc (Genetics) students of University College for Women, Koti, OU

RESEARCH EXPERIENCE (1994 to DATE)

PhDSCHOLAR

(Mahavir Hospital and Research Center)

A study to improve BCG by studying the antigenic fractions

- Post vaccination check for BCG by Elisa. The study demonstrates that culture filtrate proteins of *M.bovis* BCG may be used in ELISA and western blot to differentiate the BCG vaccinated from tuberculosis and unvaccinated children and suggests that secreted proteins of BCG in live cultures may be used as antigens in invitro techniques for a post vaccination check of BCG
- Analysis of proliferative responses against 10 fractions of CF proteins in vaccinated children showed that fraction 3 (69-65kD), fraction 4 (64-60kD), fraction 6 (49-45kD), fraction 8 (34-30kD) and fraction 9 (29-14kD) elicited high stimulation index
- The cytokines, IL-2 and IFN- γ production were high in culture supernatants stimulated with fraction 8 (34-30kD) followed by fraction 9 (29-14kD)
- The study suggests that immunogenic proteins within the cultures 34-30kD may have utility in the formulation of an effective subunit vaccine against tuberculosis

POST DOCTORAL FELLOW

(Institute of Genetics & Hospital for Genetic Diseases)

Biochemical & Immunological Markers in the Pathogenesis of Cardiovascular Disorders

- Evaluation of markers of oxidative stress (MDA, NO, TAS etc) and inflammation (CRP, IL-6, TNF- α) along with lipid profiles in patients presenting myocardial infarction, unstable angina and dilated cardiomyopathy and in their first degree relatives to understand the underlying mechanism in the progression and pathogenesis of cardiovascular diseases.

SCIENTIST

(Institute of Genetics & Hospital for Genetic Diseases)

- Incharge of services of Dept. of Cell Biology and engaged in the cytogenetic analysis of referral cases, presenting mental retardation, congenital anomalies, primary amenorrhea, repeated abortions, sterility etc. The analysis is carried out for G banded metaphase chromosomes using image analyzer with Leica CW 4000 karyo software.
- Involved in projects on biochemical, immunological and molecular aspects of adult onset disorders like diabetes, rheumatoid arthritis and osteoporosis.
- Detection of parental origin of trisomy 21 in Down syndrome children using Polymerase chain reaction.
- Evaluation of biochemical & immunological markers in individuals with mental retardation.

AREAS OF RESEARCH INTEREST

Her areas of research interest is to unravel the genetic and epigenetic mechanisms associated with immunological & inflammatory responses, oxidative stress, matrix metalloproteinases, apoptosis, cholesterol biosynthetic & homeostatic genes in multifactorial disorders like Coronary Artery Disease, Type 2 Diabetes, Type 2 Diabetic Nephropathy and Breast Cancer for early diagnosis/prognosis and therapeutics.

RESEARCH SUPERVISOR

List of Research Scholars (PhD) awarded-07 and thesis submitted-03

S. No	Name	Date of Registration & Fellowship	Year of Award	Title
1.	Sarada R. S		2013	To study the gene polymorphisms relevant to host immune responses in HIV-TB co-infection
2.	Galimudi Rajesh Kumar	2009 UGC-RFSMS & ICMR-SRF	2015	A study on role of inflammation and oxidative stress in the pathogenesis of Coronary Heart Disease
3.	Kondapalli Mrudula Spurthi	2009 UGC-RFSMS	2016	MMPs in risk prediction and pathogenesis of Coronary Artery Disease
4.	Mudigonda Saraswati	2009 UGC-RFSMS	2016	Phosphodiesterase gene polymorphisms and susceptibility to type 2 diabetes mellitus
5.	Gundapaneni Kishore Kumar	19.02.2011 UGC-RFSMS	April 2017	Molecular analysis of apoptotic genes in Coronary Artery Disease
6.	Padala Chiranjeevi	18.02.2011 UGC-RGNF	07.04.18	Molecular analysis of Breast Cancer
7.	Gantala Srilatha	18.02.2011 UGC-RFSMS	25.08.18	Molecular mechanisms in the etiology of Nephropathy in patients with type 2 diabetes mellitus
1.	Mrs. Varsha Srivastava (Genetics)	15.04.2008	Submitted	Study of Genetic diversity among South Indian populations using short tandem repeats (STR) markers
2.	Shyamala Nivas (Genetics)	10.04.2015/ UGC-BSRF & ICMR SRF	Submitted	Genetic and Epigenetic Regulation of Cholesterol Biosynthetic (HMGCR) and Homeostatic (LDLR, PCSK9) Genes in Coronary Artery Disease
3.	Tupurani Mohini Aiyengar (Genetics)	02.02.2013/ UGC-RFSMS	Submitted	Evaluation of inflammation and oxidative stress in Breast Cancer

List of Research Scholars (PhDs) onroll-07 and registration awaited-01

S. No	Name & Subject	Date of Registration & Fellowship	Title
1.	Puranam Kaushik (Genetics)	25.11.2016 UGC-BSRF	Molecular insights of tumor progression & pathogenesis of Breast Cancer
2.	KupsalKeerthi (Genetics)	25.11.2016/ UGC-BSRF & ICMR SRF	Molecular analysis of apoptotic genes in type 2 diabetes mellitus
3.	KummariRamanjaneyulu (Biotechnology)	28.11.2016 DST-INSPIRE	Molecular studies in the pathophysiology of Diabetic Nephropathy
4.	U Kayalvili (Genetics)	12.09.2018	The role of post transcriptional modification in pathology of Breast cancer in Indian patients
5.	SujanaKariveda (Biotechnology)	15.09.2018	A study on anticancer activity in Breast cancer cell lines using biologically synthesized transition metal nano particles
6.	T Sandeep Kumar (Biotechnology)	18.09.2018	Development of novel Biocompatible glycopolymers for Biological applications
7.	Alipeddi Ravi Teja Reddy (Biotechnology)	01.03.2021 DST-INSPIRE	Molecular insights of SOCS3 gene in Breast cancer
1.	Rani Durga Neeharika	LTMT-JRS (Registration awaited)	Molecular mechanism of the RANKL-RANK-OPG signaling system & its impact in the pathophysiology of Osteoporosis and sub chondral changes in early primary knee Osteoarthritis

List of Postdoctorals: 01

S.No	Name	Year	Title
1.	Dr. G Rajesh Kumar (DST-SERB-N-PDF)	2016-2017	The role of epigenetic modification of inflammatory (IL-6, 8 and 18) genes in the pathology of Coronary Atherosclerosis

RESEARCH PROJECTS

Completed Projects					
S.No	Title of the Project	Funding Agency	Duration	Designation	Amount (Rs)
1.	Molecular analysis of FAS -670 G/A and FASL -844 T/C polymorphism in type 2 diabetes mellitus	UGC- UPE-FAR	2019-2020	Co-Investigator	50,000 (pa)
2.	Role of Genetic & epigenetic profiling of LDLR & PCSK9 genes in Coronary Artery Disease	OU-DST- PURSE II	2017-2021	Principal Investigator	1,30,000 (pa)
3.	Interdisciplinary School of Life Science for Advanced Research and Education (ISLARE)	DBT	5yrs (2010-15)	Co-Investigator	10,45,60,448
4.	DST-FIST Programme	DST	5yrs (2010-15)	Co-Investigator	95,00,000
5.	Role of Apoptosis in coronary atherosclerosis and response to statins	DST- PURSE	3yrs (2011-14)	Principal Investigator	3,67,500
6.	Matrix Metalloproteinases in risk prediction of Coronary Heart Diseases	UGC- MJRP	3yrs (2008-11)	Principal Investigator	9,17,800
7.	Advanced training course in Genetic Diagnosis & Counseling (Mid carrier Scientists / Faculty in Universities & Medical Colleges)	DBT	3 yrs (2006-09)	Co-Investigator	52,39,000
8.	Pharmacogenetic response to statins in Atherosclerosis	UGC- MRP	4yrs (2013-17)	Principal Investigator	14,30,309
9.	Bioprospecting of certain important medicinal plants for health care (CPEPA)	UGC	5yrs (2010-17)	Co-Investigator	6,35,000
10.	Anti-Cancerous effects of statins for therapeutic and prevention of Breast Cancer	UPE-FAR	2014-	Principal Investigator	50,000

RESEARCH COLLABORATIONS

S. No	Collaborated Institute	Name of the Practitioner
1.	Yashoda Hospitals, Malakpet	Dr. P. Krishna Subramanyam, Orthopaedics & Joint Replacement Surgeon
2.	Durgabai Deshmukh Hospital (DDH) and Research Centre, Hyderabad	Dr. N. Krishna Reddy, Cardiologist Dr Sanjib K Sahu, Cardiologist
3.	Krishna Institute of Medical Sciences, Secunderabad	Dr. V. Dayasagar Rao, Cardiologist
4.	Nizam's Institute of Medical Sciences, Hyderabad	Dr. G. Swarnalatha, Nephrologist Dr.Sree Bhushan Raju, Nephrologist
5.	Gandhi Medical College & Hospital, Secunderabad	Dr. Vijaya Shekar Reddy, Endocrinologist
6.	South Central Railway Hospital, Secunderabad	Dr. NVBK Sai, Cardiologist Dr. N. Krishnaveni, Pathologist
7.	MNJ Institute of Oncology & Regional Cancer Centre, Hyderabad	Dr. C. Sanjeeva Kumari, Oncologist

LECTURES

CSIR-NET coaching: Basic Principles in Immunology, Cell Communications and signaling

TECHNICAL SKILLS

Cytogenetic Techniques: Tissue culture, maintenance of cell lines, Karyotyping and banding.

Immunological Assays: Enzyme Linked Immunosorbent Assay- ELISA, Sodium dodecyl sulphate polyacrylamide gel electrophoresis (SDS-PAGE), Western blot, SRID, Lymphocyte Transformation Test –LTT, Leukocyte Migration Inhibition Test –LMIT, Gel chromatography, Cytotoxic Assays.

Biochemical Estimations: Estimation of Lipid profiles, Lipid Peroxidation, Nitric Oxide, Adenosine Deaminase, C - reactive protein, Calcium, Phosphorous, Alkaline phosphatase.

Molecular Techniques: Isolation of DNA, Polymerase chain reaction, ARMS-PCR, AS-PCR, Restriction fragment length polymorphisms, qPCR, etc.

PROJECT STUDENTS

150-Bachelors/ Masters degree students worked under my guidance for dissertation for the fulfillment of the award of Bachelors Degree / Master's Degree in Biotechnology

PAPER PUBLICATIONS (74)- CITATIONS-1023

2022

1. Chiranjeevi Padala, Kaushik Puranam, Nivas Shyamala, Keerthi Kupsal, Ramanjaneyulu Kummari, Rajesh Kumar Galimudi, Kishore Kumar Gundapaneni, Mohini Aiyengar Tupurani, Aparna Suryadevera, Sanjeeva Kumari Chinta, Bramanadam Manavathi, **Surekha Rani Hanumanth**; Genotypic and Haplotype analysis of Interleukin-6 and-18 gene polymorphisms in association with Clinicopathological factors in Breast cancer (CYTO-21-501 **Cytokine 2022 (Inpress)**)
2. Nivas Shyamala, Chaitra Lava Kongettira, Kaushik Puranam, Keerthi Kupsal, Ramanjaneyulu Kummari, Chiranjeevi Padala, **Surekha Rani Hanumanth (2022)** In silico identification of single nucleotide variations at CpG sites regulating CpG island existence and size. **Scientific Reports** 12(1): 3574 doi: 10.1038/s41598-022-05198-8

2021

3. Nivas Shyamala, Krishna Reddy Nallamala, **Surekha Rani Hanumanth**. HMGCR gene polymorphisms (rs33761740, rs3846662) and promoter DNA methylation association with serum lipids in coronary artery disease. **European Journal of Immunology** 2021 51. 65-65. **IF. 5.532**. (Proceedings)
4. Nivas Shyamala, Kaushik Puranam, Krishna Reddy Nallamala, Sanjib K. Sahu, **Surekha Rani Hanumanth**. Role of Genetic & Epigenetic Modifications of Low-Density Lipoprotein Receptor (LDLR) Gene in South Indian Acute Myocardial Infraction Patients. *Metabolism*, Volume 116, Supplement, 2021, 154671, ISSN 0026-0495, <https://doi.org/10.1016/j.metabol.2020.154671>. (Proceedings)
5. K Ramanjaneyulu, G Srilatha Reddy, K Keerthi, S Nivas, P Kaushik, N Raju, Sree Bhushan Raju, **H Surekha Rani**. Role of Il-6 (-174 G/C) Polymorphism and Renal Biopsy, Clinical & Immunoinflammatory Markers in Pathogenesis of Type 2 Diabetic Nephropathy. *Metabolism-Clinical and Experimental*, Volume 116, Supplement, 0134;154601; 2021.doi: 10.1016/j.metabol.2020.154601. (Proceedings)
6. Dixit S, Shrivastava P, Dash HR, Kaitholia K, Sahajpal V, Sahoo S, Srivastava V, **Surekha Rani H**, Mishra A, Choudhary SK, Thekkatavan A, Chaubey G, Kumawat RK (2021) Assessment of significance and forensic relevance of SE33 (ACTBP2) locus in five Indian populations. **Gene Reports** 24:101293. doi: 10.1016/j.genrep.2021.101293
7. T. Sandeep Kumar, N. Naga Malleswara Rao, Reetika Rawat, **H. Surekha Rani**, Manu Sharma, Veera Sadhu, Annadanam V. Sesha Sainath. (2021).Galactopolymer architectures/functionalized graphene oxide nanocomposites for antimicrobial applications.**Journal of Polymer Research**. (6).<https://doi.org/10.1007/s10965-021-02528-8>**IF.3.09**
8. Shyamala Nivas, Gundapaneni KK, Galimudi RK, Tupurani MA, Padala C, Puranam K, Kupsal K, Kummari R, Gantala SR, Nallamala KR, Sahu SK, **Hanumanth SR(2021)**. PCSK9 genetic (rs11591147) and epigenetic (DNA methylation) modifications associated with PCSK9 expression and serum proteins in CAD patients. **Journal of Gene Medicine**. 1–15. doi: 10.1002/jgm.3346. PMID: 33885177. **IF. 4.565**
9. Suman K, Neeraja CN, Madhubabu P, Rathod S, Bej S, Jadhav KP, Kumar JA, Chaitanya U, Pawar SC, Rani SH, Subbarao LV, Voleti SR. (2021). Identification of Promising RILs for High Grain Zinc Through Genotype × Environment Analysis and Stable Grain Zinc QTL Using SSRs and SNPs in Rice (*Oryza sativa* L.). **Front Plant Sci**.12:587482. doi: 10.3389/fpls.2021.587482. PMID: 33679823; **IF 4.402**.

2020

10. Srivastava V, **Surekha Rani H**, Kumawat R, Chaubey G, Shrivastava P (2020) Genomic diversity of the Muslim population from Telangana (India) inferred from 23 autosomal STRs. **Ann Hum Biol** 47:652–658. doi: 10.1080/03014460.2020.1822915
11. Srivastava, V., Rao, K. P., **Rani, H. S.**, Kumawat, R. K., Mishra, A., & Shrivastava, P. (2020). Genomic diversity in the Goud population of Telangana, India inferred using twenty three autosomal marker PowerPlex® Fusion 6C System. **Meta Gene**, 100718. doi:10.1016/j.mgene.2020.100718.
12. Gundapaneni Kk, Shyamala N, Puranam K, Galimudi R, Kupsal K, Nallamala K, **Hanumanth S.**2020. Caspase 9 Promoter Polymorphisms (-1263G>A, -905T>G, -712C>T) in Coronary Artery Disease. **Journal of Clinical and Diagnostic Research**, 14 (2).

2018

13. Tupurani MA, Padala C, Puranam K, Galimudi RK, Kupsal K, Shyamala N, Gantala S, Kummari R, Chinta SK, **Hanumanth SR.** 2018. Association of CYBA gene (-930 A/G and 242 C/T) polymorphisms with oxidative stress in breast cancer: a case-control study. **PeerJ** 6:e5509 <https://doi.org/10.7717/peerj.5509>. **IF 2.98**
14. Srilatha Reddy Gantala, MrudulaSpurthiKondapalli, RamanjaneyuluKummari, Chiranjeevi Padala, Mohini AiyengarTupurani, Keerthi Kupsal, Rajesh Kumar Galimudi, Kishore Kumar Gundapaneni, Kaushik Puranam, Nivas Shyamala, SwarnalathaGuditi, Ram Rapur, **Surekha Rani Hanumanth.** (2018) Collagenase-1 (-1607 1G/2G), Gelatinase-A (-1306 C/T), Stromelysin-1 (-1171 5A/6A) functional promoter polymorphisms in risk prediction of type 2 diabetic nephropathy. **Gene**, 673:22–31. <https://doi.org/10.1016/j.gene.2018.06.007>. **IF 2.415.**
15. Srilatha Reddy Gantala, RamanjaneyuluKummari, Mohini AiyengarTupurani, Rajesh Kumar Galimudi, Kishore Kumar Gundapaneni, Keerthi Kupsal, Nivas Shyamala, **Surekha Rani Hanumanth** and SwarnalathaGuditi. (2018) Evaluation of Glycemic, Lipid, Immune-Inflammatory and Oxidative Stress Markers in Various Clinical Stages of Type 2 Diabetic Nephropathy. **J Metabolic Syndd**,7:1 DOI: 10.4172/2167-0943.1000237; ISSN:2167-0943.

2017

16. Chiranjeevi Padala, Mohini AiyengarTupurani, Kaushik Puranam, Srilatha Gantala, Nivas Shyamala, MrudulaSpurthiKondapalli, Kishore kumarGundapaneni, SaraswatiMudigonda, Rajesh Kumar Galimudi, Keerthi Kupsal, Santoshi Rani Nanchari, Uday Chavan, SanjeevakumariChinta, Srinivasulu Mukta, VishnupriyaSatti, **Surekha Rani Hanumanth.** (2017) Synergistic effect of collagenase-1 (MMP1), stromelysin-1 (MMP3) and gelatinase-B (MMP9) gene polymorphisms in breast cancer. **PLoS ONE**, 12(9): e0184448. <https://doi.org/10.1371/journal.pone.0184448>. **IF 3.54.**
17. Kishore Kumar Gundapaneni, Nivas Shyamala, Rajesh Kumar Galimudi, Keerthi Kupsal, Srilatha Reddy Gantala , Chiranjeevi Padala , Padma Gunda , Mohini AiyengarTupurani, Kaushik Puranam, Sanjib Kumar Sahu, **Surekha Rani Hanumanth.** (2017)Polymorphic variants of Caspase genes (8 & 3) in the risk prediction of Coronary Artery Disease. **Gene**, 627,278–283. **IF 2.415.**

2016

18. Galimudi Rajesh Kumar, KondapalliMrudulaSpurthi, Gundapaneni Kishore Kumar, Tupurani Mohini Aiyenger, Chiranjeevi Padala, Shyamala Nivas, AnuradhaCingeetham, Swathi Banapuram, Sanjib Kumar Sahu, Altaf Ali, **Hanumanth Surekha Rani.** (2016)Genetic Polymorphisms of eNOS3 (-786T/C, Intron 4b/4a & 894G/T) and its association with Asymptomatic First Degree Relatives of Coronary Heart Disease patients, **Nitric Oxide**, <http://dx.doi.org/10.1016/j.niox.2016.09.001>. 1089-8603. **IF- 3.760.**

19. Kondapalli Mrudula Spurthi, Galimudi Rajesh Kumar, Gundapaneni Kishore Kumar, Padala Chiranjeevi, Anuradha Cingeetham, Gantala Srilatha, Altaf Ali, Shyamala Nivas, Sanjib Kumar Sahu, Pratibha Nallari, **Hanumanth Surekha Rani (2016)**. MMP 1 circulating levels and Promoter Polymorphism in Risk Prediction of Coronary Artery Disease in Asymptomatic First Degree Relatives. **Gene**, 595 (2016) 115–120. **IF. 2.7**.
20. Kupsal K, Mudigonda S, Nyayapathi VBKS, Neelala K, **Hanumanth SR.(2016)** Metformin Combinatorial Therapy for Type 2 Diabetes Mellitus. *J Metabolic Synd* 5: 210. doi:10.4172/2167-0943.1000210.
21. Kishore Kumar Gundapaneni, Nivas Shyamala, Rajesh Kumar Galimudi, Sanjib Kumar Sahu, **Surekha Rani Hanumanth. (2016)** Therapeutic Effects of Atorvastatin on Genetic Damage in Coronary Artery Disease.**Journal of Clinical and Diagnostic Research**. 10(6): OC28-OC30. **IF 0.3**.
22. Kishore Kumar Gundapaneni, Rajesh Kumar Galimudi, MrudulaSpurthiKondapalli,Srilatha Reddy Gantala, SaraswatiMudigonda, Chiranjeevi Padala, Nivas Shyamala, Sanjib Kumar Sahu, **Surekha Rani Hanumanth. (2016)**. Oxidative stress markers in diabetic patients with coronary artery disease. **International Journal of Diabetes in developing countries**. DOI 10.1007/s13410-016-0515-4; **IF 0.366**.
23. Kishore Kumar G, Rajesh Kumar G, MrudulaSpurthi K, Nivas S, Chiranjeevi P, Ali A, Sanjib Kumar S, Pratibha Nallari, **Surekha Rani H. (2016)** Polymorphisms of extrinsic death receptor apoptotic genes (FAS -670 G>A, FASL -844 T>C) in coronary artery disease. **Apoptosis**,21(5):558–565. **IF 3.68**.

2015

24. Rajesh Kumar G, MrudulaSpurthi K, Kishore Kumar G, MohanalathaKurapati, Saraswati M, Mohini Aiyengar T, Chiranjeevi P, Srilatha Reddy G, Nivas S, Kaushik P, Sanjib Sahu K, **Surekha Rani H (2015)**. Evaluation of Hs-CRP Levels and Interleukin 18 (-137G/C) Promoter Polymorphism in Risk Prediction of Coronary Artery Disease in FirstDegree Relatives. **PLoS ONE** 10(3): e0120359. **IF 3.6**.
25. Keerthi Kupsal, SaraswatiMudigonda, Kishore Kumar Gundapaneni, Mohini AiyengarTupurani, Rajesh Kumar Galimudi, V.B.K. Sai Nyayapathi, Krishnaveni. N, **Surekha Rani Hanumanth. (2015)**. Glucotoxicity and lipotoxicity induced beta-cell apoptosis in type 2 diabetes mellitus. **Int J Anal Bio-Sci**, 3(4):84-89.

2014

26. P.Chiranjeevi, K. MrudulaSpurthi, N. Santhoshi Rani, G. Rajesh Kumar, T. Mohini Aiyengar, M.Saraswati, G. Srilatha, G. Kishore Kumar, Sudha Sinha, C. Sanjeeva Kumari, B. Nagarjuna Reddy, S.Vishnupriya,**H. SurekhaRani. (2014)** Gelatinase-B (-1562C/T) polymorphism in Tumor progression and Invasion of Breast Cancer. **Tumor Biol**35:1351–1356; DOI 10.1007/s13277-013-1181-5.**IF 2.58**
27. Rajesh G. Kumar, Shyamala Nivas, Mrudula K. Spurthi, Kishore G. Kumar, Nivas.S, Saraswati.M, Srilatha. G Chiranjeevi.P, Mohini T. Aiyengar, **Surekha H. Rani. (2014)**Risk Assessment of Inflammation in Healthy Asymptomatic First Degree Relatives of Myocardial Infarction Patients. **International Journal of Development Research**, 4(3):452-455. **ISSN: 2230-9926**.
28. Durgadatta Tosh, K. Lakshmi Rao, **H. Surekha Rani**, D. Anupama Deenadayal, U. S. N. Murty, Paramjit Grover. (2014)Association between fragile X premutation and premature ovarian failure: a case–control study and meta-analysis. **Archives of Gynecology and Obstetrics**, 289(6):1255-62. DOI.doi: 10.1007/s00404-014-3145-4. **IF-1.330**.
29. Rachakatla Anuradha, MudigondaSaraswati, Kishore G. Kumar, and **Surekha H. Rani. (2014)** **DNA and Cell Biology**,33(11):743–748 **IF.1.99**.
30. Kaushik Puranam and **Surekha Rani H (2014)**. Forskolin–its therapeutic applications. **International Journal of Pharma and Bio Sciences**,5(4):68–73. **IF.2.98**.

31. Santhoshi Rani Nanchari, Anuradha Cingeetham, PhannibhushannMeka, Surekha Damineni, NageshwaraoTipiriseti, Chiranjeevi Padala, Sandhya Annamaneni, **Surekha rani Hanumanth**,Raghunadha Rao Digumarthi, VishnupriyaSatti. (2014) Rrp1B gene polymorphism (1307T>C) in metastatic progression of breast cancer. **Tumor Biology**. DOI 10.1007/s13277-014-2613-6; **IF 2.58**.

2013

32. Chiranjeevi P, Kumar GR, Aiyengar TM, Spurthi KM, Srilatha G, Saraswati M, Kumar GK, Reddy BN, Sinha S, Kumari C S, Vishnupriya S, **Surekha Rani H**. Interleukin-18(- 607C/A) gene promoter polymorphism and risk of breast carcinoma. Indian Society of Oncology. Indian Journal of Cancer. Vol 50, Suppl 1, Nov 2013. Indian Science Congress 21st-24th Nov-2013, New Delhi, India. IF 1.13. (2013). (Proceedings)
33. Srilatha G. Reddy, Rajesh G. Kumar, Mrudula K. Spurthi, Saraswati.M, **Surekha H. Rani**. (2013)Oxidative stress and DNA damage in Diabetic Nephropathy. **Journal of Analytical Bioscience**, 36(2):1-6.ISSN 0913-3763.
34. Kishore Kumar Gundapaneni, Rajesh Kumar Galimudi, MrudulaSpurthiKondapalli, Kaushik Puranam, Sanjib Kumar Sahu. Sudha Lakshmi Tripuraneni, **Surekha Rani Hanumanth**; Effects of Statins on Endothelial Function in Coronary Artery Disease; **2013, International Journal of Development Research**.3;8,050-053,2013.ISSN: 2230-9926.**IF 1.25**.
35. Rajesh G. Kumar,Mrudula K. Spurthi,Chiranjeevi.P, Kishore G. Kumar. Saraswati.M,Srilatha.G,Mohini T.Aiyengar ,Sanjib K. Sahu, **Surekha H. Rani**. (2013) Interleukin 6(-174G/C) Variant and its Circulating levels in Coronary Heart Disease Patients and Their First Degree Relatives.**Inflammation**, 36(5).DOI: 10.1007/s10753-013-9742-8) **IF.2.45**.
36. Mohini T.Aiyengar, Chiranjeevi.P, Rajesh G. Kumar, Kaushik Puranam, Sanjeeva Kumari,**Surekha H. (2013)Rani**, Oxidative stress/Nitrosative stress in Breast Cancer. **Journal of Analytical Bioscience**, 1(1). **ISSN 0913-3763**.
37. Kishore Kumar.G, Rajesh Kumar.G, MrudulaSpurthi, Sanjib Kumar. Sahu, **Surekha Rani. H**. Impact of statin therapy on DNA Damage in MI patients. **2013, International Journal of Pharma Sciences(ISSN: 2320-6810)** P-35.
38. Srilatha G, Saraswati.M, RajeshKumar.G, MrudulaSpurthi, Swarnalatha.G, **Surekha Rani.H**. Immunoinflammatory responses in Type 2 Diabetic Nephropathy. **2013, International Journal of Pharma Sciences (ISSN: 2320-6810)** 2013, P-35.
39. MrudulaSpurthi.K, Rajesh Kumar.G, Kishore Kumar.G , Sanjib Kumar.S, Prathiba.N , **Surekha Rani.H. (2013)Functional Polymorphism of Matrix Metalloproteinase 9 and LDL receptor expression in Atherosclerosis. International Journal of Pharma Sciences, 35 ISSN: 2320-6810**.
40. M.Saraswati, G.Rajesh Kumar, K.MrudulaSpurthi, P.Chiranjeevi, G.Srilatha, G.Kishore Kumar, T.MohiniAiyengar, D.Vijay Shekar Reddy, **H. Surekha Rani. (2013)** Studies on Biochemical Diagnostic Indices And Molecular Marker In Type 2 Diabetes Mellitus.**International Journal of Pharma Sciences, 35. ISSN: 2320-6810**
41. M.Saraswati,G.Srilatha,M.ShivaPrakash,D.Vijay Shekar Reddy,**H.Surekha Rani. (2013)** Immuno-inflammatory markers:Adenosine deaminase and IL-6 in pathogenesis of Type 2 diabetes mellitus.**Immunology Summit, Clinical And Cellular Immunology. 4(5):72. IF- 5.66**.

2012

42. Saraswati.M , Rajesh Kumar G,MrudulaSpurthi K, Srilatha G,P.Chiranjeevi,Vijay Sekhar Reddy,**Surekha Rani H. (2012)Risk of CAD in urban and rural diabetic population; 2012, Asian journal of experimental biological sciences, 3(1):197-202. ISSN No. 0975-5845**.

43. MrudulaSpurthiKondapalli, Rajesh Kumar Galimudi,Srilatha.G, Sanjib Kumar Sahu and **Surekha Rani Hanumanth. (2012)** Matrix Metalloproteinases in Coronary Artery Disease: A Review. **J Life Sci**,4(1):55-58. **ISSN 0975-1270.**
44. MrudulaSpurthi K, Rajesh Kumar G, Srilatha G, Sanjib Kumar Sahu, PrathibaNallari, **Surekha Rani H. (2012)** Influence of Gelatinase B Polymorphic Variants & its serum levels in Atherosclerosis. **Genetic Testing and Molecular Biomarkers**, 16(8):850-854. **ISSN: 1945-0265IF 1.44.**
45. Shivani Vadapalli, Satyanarayana M. L., Chaitra K. L., **H.Surekha Rani**, B.K.S.Sastry and Pratibha Nallar. **(2012)** Epistatic interactions in idiopathic pulmonary arterial hypertension", **2012, Ind J Hum Genet** 18(1):**56-61. ISSN 0971-6866.**
46. Rajesh Kumar G, MrudulaSpurthi K, Kishore Kumar.GSanjib Kumar Sahu, **Surekha Rani H**, Endothelial Nitric Oxide Synthase (eNOS (Glu298→Asp)) Polymorphism in Association with Oxidative DNA Damage inCoronary Atherosclerosis. 2012, **J. Genet.****91**, 349–352; **(ISSN: 0022-1333) IF 1.086.**
47. Baddela M.V. Srikanth Babu, BhomireddyPulla Reddy, Vanacherla Hari Sai Priya, Anjana Munshi, **Hanmathrao Surekha Rani**, Gaddam Suman Latha, V. Dayasagar Rao, and AkkaJyothy. **(2012)**Cytokine Gene Polymorphisms in the Susceptibility to Acute Coronary Syndrome. **Genetic Testing and Molecular Biomarkers**, 16(5):359-365.**ISSN: 1945-0265. IF1.44.**
48. Ramaseri Sunder Sharada, **HanumanthSurekha Rani**, Anuradha Bandaru, Satya Sudheer Pydi, GaddamSumanlatha, JonnalagadaSubbanna, Vijaya lakshmiValluri.**(2012)**CD38 expression on CD8+ cells – Its influence on development of tuberculosis in HIV positive individuals. **Open Journal of Immunology**,2(2):65-71.
49. Sharada Ramaseri Sunder, **Surekha Rani Hanumanth**, Raghavendar Thyagaraja Nagaraju, Sanjeev Kumar Neela Venkata, Naveen Chandra Suryadevara, Satya Sudheer Pydi, SumanlathaGaddam, SubbannaJonnalagada, Vijaya Lakshmi Valluri. **(2012)**IL-10 high producing genotype predisposes HIV infected individuals to TB infection. **Human Immunology. ISSN: 0198-8859IF 2.595.**
50. Sharada Ramaseri Sunder, **Surekha Rani Hanumanth**, Anuradha Bandaru, Satya Sudheer Pydi1,SumanlathaGaddam, SubbannaJonnalagada, Vijaya Lakshmi Valluri. **(2012)**Influence of CD38/PD1 co-expression on T cell subsets in HIV-TB co-infection. **BMC Infectious Diseases** 12 (Suppl 1):O4 **IF 3.2.**

2011

51. G.Rajesh Kumar, H. Surekha Rani, K.MrudulaSpurthi, Sanjib Kumar Sahu, Prasad yerram, PrathibaNallari. **(2011)**Oxidative and Nitrosative Stress in association with DNA Damage in Coronary Artery Disease. **Singapore Med J**, 52(4):283-288. **ISSN:00375675. IF 0.73**
52. Saraswati.M, **Surekha Rani H. (2011)** Phosphodiesterases in the pathophysiology of diabetes mellitus. **Journal of Analytical Bio-Science**, 34(5):314-317. **ISSN:0913-3763.**
53. Sharada Ramaseri Sunder, **Surekha Rani Hanumanth**, SumanlathaGaddam,SubbannaJonnalagada, Vijaya Lakshmi Valluri. **(2011)**Association of *TAP* 1 and 2 gene polymorphisms with human immunodeficiency virus–tuberculosis co-infection. **Human Immunology**, 72 (10):908-911.**IF 2.73.**

2010

54. Shivani Vadapalli, **H.Surekha Rani**, B.K.S. Sastry, Pratibha Nallari. **(2010)** Endothelin-1 and endothelial nitric oxide polymorphisms in idiopathic pulmonary arterial hypertension. **Int J Mol Epidemiol Genet**, 1(3):208-213. **ISSN 1948-1756**
55. **Surekha Rani H**, MrudulaSpurthi K, Rajesh Kumar G, Sanjib Kumar Sahu, Pratibha Nallari.**(2010)**MMP 9 sequence variants and serum level correlations in Myocardial Infarction. **European Journal of Human Genetics**, 18(1):209 **ISSN: 1018-4813IF 4.400.**

2008

56. Lakshmi K T, **Surekha R H**, Srikanth B, JyothyA. (2008)Serum cholinesterases in Down syndrome children before and after nutritional Supplementation. **Sing. Med J**; 49(7):561. **ISSN: 00375675. IF 0.73**

2007

57. **SurekhaRaniH**,B.M.V.SrikanthJharna.P, RamachandraRao, DayasagarRao.V, Jyothy.A. (2007)Oxidative Stress and Total Antioxidant Status in Myocardial Infarction. **2007 Sing. Med J**, 48(2):137-142. **ISSN: 00375675IF 0.73**

2006

58. **H. Surekha Rani.**, G. Madhavi , B.M.V. Srikanth , P. Jharna ,U.R.K. Rao, A.Jyothy. (2006)Serum ADA and C - reactive protein in Rheumatoid Arthritis.**Int. J. Hum. Genet**, 6(3):195-198.**ISSN: 0972-3757.**
59. Vijayalakshmi V., Sunil Kumar , **Surekha Rani H**, Suman Latha G, Murthy K.J.R.(2006) Invitro immune responses in children following BCG vaccination.**Lung India**, 23:59-63. **ISSN 0970-2113.**

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60. Vijayalakshmi V.,Sunil S, **Surekha Rani H**, Suman Latha G, Murthy K.J.R.(2005)Tuberculin Specific T cell Responses In BCG Vaccinated Children. Indian Pediatrics. 17:36-40. **ISSN 0019-6061**
61. **Surekha RaniH**, Madhavi G, Sahay B.K., Jyothy.A,(2005)Risk factors for coronary heart disease in type II diabetes Mellitus.**Ind. J.Clin.Biochem**,20(2):75-80.**ISSN: 0970-1915**
62. Suman Latha. G,Vijayalakshmi.V, **Surekha Rani H**, Murthy KJR.(2005) Use of specific IgE specific to fractions of Gynandropsisgynandra pollen in in vitro diagnostic test. **Ind. J.Clin.Biochem**, 20(2):170-173.ISSN: 0970-1915
63. **Surekha Rani H.**, Vijaya Lakshmi V., SumanLatha G, Lakshmi Kiran A. Murthy K.J.R, (2005)Post BCG vaccination check based on serum IgG to culture filtrate antigen.**Ind J of TB** 52:27-30. **ISSN: 0019-5707**
64. **Surekha Rani H.**, Vijayalakshmi V., Sumanlatha G., Murthy K.J.R. (2005) BCG Cell mediated immune responses in children towards secreted protiens of M.bovis.**Tuberculosis**, 85:89-93. **ISSN: 1472-9792 IF 3.149.**
65. **Surekha Rani.H** Madhavi G, Rao URK, F.Fathima., Jyothy.A.(2005) Oxidant and antioxidant status in patients with Rheumatoid arthritis. **JIRA**, 13(1):28.

2004

66. Suman Latha. G,Vijayalakshmi.V.,**Surekha Rani H.**, Murthy KJR.(2004)Use of Gynandropsis pollen fractions to assess the effect of hypo sensitization in patients of bronchial asthma.**Ind J of Allergy Asthma Immunol.** 18(1):25-31. **ISSN No.0972-6691.**
67. Jyothy.A, **Surekha Rani H**,Reddy.P.P. (2004) Osteoporosis in menopause women.**Trends in Cytology and Genetics**, 188-192.

2003

68. Jyothy.A, **Surekha Rani.H**,DayasagarRao.V, Reddy.P.P.(2003)Serum adenosine deaminase activity in Myocardial Infarction.**Int. J. of Hum Genet**,3(1):65-67. **ISSN 0972-3757.**
69. **Surekha Rani.H**,DayasagarRao.V, Shiva Prakash M, Jyothy.A. (2003) Serum Adenosine deaminase activity and C-reactive protein levels in unstable angina.**Ind. J. Hum. Genet**, 9 (1):17-20.**ISSN 0971-6866.**

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70. Kumar K.S.D., JyothyA, Prakash M.S, **Rani H.S**, Reddy P.P. (2002) β 2-Glycoprotein Dependent Anticardiolipin Antibodies and Lupus Anticoagulant in patients with Recurrent Pregnancy Loss. **J. Postgrad. Med**, 4801:5-10.**ISSN 0022-3859.**

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71. Suman Latha G., Lakshmi Kiran A., Vijayalakshmi V., **Surekha Rani H.**, Murthy KJR.(2000) Immunoblot Responses in Patients Allergic to Gynandropsisgynandra pollen. **Ind J. Allergy & Appl Immunology**, 14(2):53-59.

1999

72. Sumanlatha G.,Vijayalakshmi V., Lakshmi Kiran A., **Surekha Rani H.** (1999)Nagalakshmi Y., Murthy KJR. Late Phase Cutaneous Reaction as a parameter to evaluate Immunotherapy.**Lung India**, 17(4):112-114.ISSN: 0970-2113

1998

73. **Surekha Rani H.**, Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., Sumanlatha G., Murthy K.J.R.(1998) Cell Mediated Immunity in Children with Scar- Failure Following BCG Vaccination. **Indian Pediatrics**, 35:123-127. ISSN 0019-6061.

1994

74. Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., **Surekha Rani H.**Sumanlatha G., Murthy K.J.R. (1994). Optimum Age of a child for BCG vaccination.**Indian Pediatrics** 31:1497-1501. ISSN 0019-6061.

MONOGRAPH (1)

1. Contributed to monograph on: Recent advances in Tuberculosis edited by Indian College of Physicians, India (1995).

BOOKS PUBLISHED (1)

1. SaraswatiMudigonda, **H.Surekha Rani.** (2012) Risk of coronary artery disease in rural and urban diabetic population, Lambert Academic Publishing, ISBN-9783659253263.

BOOK CHAPTERS (5)

1. Nivas Shyamala and **H.Surekha Rani.** (2019). “Pharmacogenetic Implications of Statin Therapy on Oxidative Stress in Coronary Artery Disease in the book Modulation of Oxidative Stress in Heart Disease. 629-644; **Springer Nature Singapore Pvt Ltd.**ISBN 978-981-13-8273-4.DOI: 10.1007/978-981-13-8946-7.
2. Keerthi Kupsal and **Surekha Rani Hanumanth.** (2019). Oxidative Stress Mechanisms in Type 2 Diabetes Induced Coronary Heart Disease, in the book Oxidative Stress in Heart Diseases, 483-505; **Springer Nature Singapore Pvt Ltd.** 978-981-13-8272-7, 4596901En, (22); DOI: 10.1007/978-981-13-8273-4.
3. Mohini AiyengarTupurani, Chiranjeevi Padala and **Surekha Rani Hanumanth.** (2017) Chapter title: Role of Endothelial Nitric Oxide Synthase in Breast Cancer. Nitric Oxide Synthase. **InTech.** 179-196.ISBN 978-953-51-3163-2. <http://dx.doi.org/10.5772/63170>.
4. Gantala Srilatha Reddy and **Hanumanth Surekha Rani.** (2017)“Matrix Metalloproteases: Potential Role in Type 2 Diabetic Nephropathy.” Pathophysiological Aspects of Proteases. **Springer Nature Singapore Pte Ltd.**605-616. ISBN 978-981-10-6140-0. DOI 10.1007/978-981-10-6141-7.
5. Kishore Kumar G and **H.Surekha Rani.** (2017)“Cysteine dependent aspartate proteases in coronary artery disease” in the book Proteases in Human Diseases. **Springer Nature Singapore Pvt Ltd.** 463-472. ISBN 978-981-10-3161-8. DOI 10.1007/978-981-10-3162-5_22.

MEMBERSHIP (Scientific Societies)

- ❖ Indian Immunology Society
- ❖ Indian Society of Human Genetics
- ❖ Third World organization of Women scientists (TWOWS)
- ❖ Indian Science Congress

EDITORIAL BOARD MEMBER

- ❖ Editorial Board member in Journal of Bioscience and Medicine - **Sweden**
- ❖ Editorial Board member in Journal of Analytical Bio-Science (ISSN 2187-7912) - **Japan**

REVIEWER

- ❖ Scientific Reports
- ❖ DNA and Cell Biology Journal
- ❖ Genetic Testing and Molecular Biomarkers
- ❖ Advances in Clinical Chemistry
- ❖ International Journal of Immunogenetics
- ❖ Coronary artery disease
- ❖ Metagene
- ❖ Open Journal of Immunology
- ❖ Indian Journal of Biotechnology
- ❖ International journal of Immunogenetics
- ❖ Nucleosides, Nucleotides and Nucleic Acids
- ❖ Indian Heart Journal
- ❖ Archives of Blood Transfusion & Disorders
- ❖ Tumor Biology
- ❖ Pathology Research & practice
- ❖ Anatolian Journal of Cardiology
- ❖ Cellular & molecular Biology
- ❖ PeerJ
- ❖ Aging
- ❖ International Journal of Cardiology and Cardiovascular Research
- ❖ The Journal of Gene Medicine

PAPER PRESENTATIONS

INTERNATIONAL: 72

NATIONAL: 96

AWARDS

YOUNG SCIENTIST AWARD

1. **Young Scientist Award**- A Study on role of Oxidative stress and inflammation in the Coronary Heart Disease; “G. Rajesh Kumar and **Dr. H. Surekha Rani**. “Two Day National Conference on ‘New Frontiers in Biotechnology-Prospects and Challenges”. University College for Women (UCW), Koti on the 29th and 30th January, 2015.

BEST ORAL PRESENTATIONS

1. **Best Oral Presentation**- Evaluation of clinical & histopathological characteristics and the role of IL-18 (-137 G/C) Polymorphism in Pathogenesis of type 2 diabetic nephropathy-Ramanjaneyulu. K, Keerthi. K, Nivas. S, Kaushik. P, Sri Bhushan Raju, N.V.B.K. Sai, **Surekha Rani**; International conference (Virtual) on Recent Innovations in Chemical and Biological Engineering (RICBE-2K21) organized by RGKUT, Nuzividu from 16th to 18th September, 2021.
2. **Best Oral 2nd Runner up**- Role of -930 A>G and 242C>T polymorphism of CYBA (p22phox) gene in breast cancer; Tupurani Mohini Aiyengar, Padala Chiranjeevi, Puranam Kaushik, Galimudi Rajesh Kumar, Kupsal Keerthi, ChintaSanjeeva Kumari, Hanumanth **Surekha Rani**; National Conference on Molecular Insights in Genetics and Biotechnology- Emerging trends and Future prospects at Mekaster auditorium, organised by Department of Genetics and Biotechnology, Osmania University, Hyderabad on 27th & 28th February, 2017.
3. **Best Oral Presentation**- Caspase Polymorphisms and Genetic susceptibility to Coronary artery disease; Gundapaneni Kishore Kumar, Shyamala Nivas, Galimudi Rajesh Kumar, Kupsal Keerthi, Padala. Chiranjeevi, Sanjib Kumar Sahu, **Hanumanth Surekha Rani**; Two Day National Conference on “Global Trends in Genetic Diagnostics and Therapeutics” at Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Hyderabad on 22nd-23rd February 2017.
4. **Best Oral Presentation**- Apoptosis in coronary artery disease- Kishore Kumar.G, Rajesh Kumar.G, MrudulaSpurthi.K, Saraswati M, S.Nivas, A.Vikram Keerthi K, Sanjib Kumar.S, **Surekha Rani.H**. “Two Day National Conference on ‘New Frontiers in Biotechnology-Prospects and Challenges”. University College for Women (UCW), Koti on the 29th and 30th January, 2015.
5. **Second Best Oral Presentation**- Studies on Biochemical Diagnostic Indices And Molecular Marker In Type 2 Diabetes Mellitus. M.Saraswati, G.Rajesh Kumar, K.MrudulaSpurthi, P.Chiranjeevi, G.Srilatha, G.Kishore Kumar, T.MohiniAiyengar, D.Vijay Shekar Reddy, **H. Surekha Rani** Genomics 2013 National Seminar on New Trends in Molecular Medicine and Pharmacogenomics on 13th and 14th April 2013 – Acharya Nagarjuna University, (ANU) Nagarjuna Nagar, Guntur.

BEST POSTER AWARDS

1. **Best Abstract Award-** The role of NF- κ B1 (-94 insertion/deletion ATTG) polymorphism in Breast cancer. One day National Conference on “New Vistas on Biotechnology for Sustainability” Dept. of Biotechnology, UCS, Saifabad on 7th Nov, 2017.
2. **Best Poster award-** Interleukin-8 gene functional promoter polymorphism in Breast Cancer. Tupurani Mohini Aiyengar, Padala Chiranjeevi, Galimudi Rajesh Kumar, Puranam Kaushik, Shyamala Nivas, ChintaSanjeeva Kumari, MadisettyAdilakshmi, **Hanumanth Surekha Rani**. “Two Day National Conference on ‘New Frontiers in Biotechnology-Prospects and Challenges’”.University College for Women (UCW), Koti on the 29th and 30th January, 2015.
3. **Best Poster Award-** Diabetes Mellitus: A Mini Review; K. Srishylam, Ch. Sirisha, G. Kishore Kumar M. Saraswati, **H. Surekha Rani**. “Two Day National Conference on ‘New Frontiers in Biotechnology-Prospects and Challenges.’” University College for Women (UCW), Koti on the 29th and 30th January, 2015.
4. **Second Best Poster award-** Impact of statin therapy on DNA Damage in MI patients. Kishore Kumar.G, Rajesh Kumar.GMrudulaSpurthi, Sanjib Kumar. Sahu, **Surekha Rani. H.** GENOMICS 2013 National Seminar on New Trends in Molecular medicine& Pharmacogenomics On 13th&14th April 2013 –ANU, Nagarjuna Nagar, Guntur.

INTERNATIONAL TRAVEL FOR PAPER PRESENTATION

1. MMP 9 sequence variants and serum level correlations in Myocardial Infarction;**Surekha Rani H**, MrudulaSpurthi K, Rajesh Kumar G, Sanjib Kumar Sahu, Pratibha Nallari. Has been presented in European Society of Human Genetics 2010, June 12th– 15th, 2010, Gothenburg, Sweden – sponsored by OU- UGC & CSIR.
2. Interleukin-6 Gene Promoter (-174 G/C) Polymorphism in Breast Cancer;**H. Surekha Rani**, P.Chiranjeevi,N. SanthoshiRaniG. Rajesh Kumar, K. MrudulaSpurthi, T. Mohini Aiyengar, C. Sanjeev Kumari&S.Vishnupriya. Has been presented inInternational Conference on women in science and technology in the Arab Countries; held on 21st-23rd April 2013 at Kuwait Institute for scientific research (KISR), Kuwait. Sponsored by DST-New Delhi.

FOREIGN COUNTRIES VISITED

- Germany
- Switzerland
- UAE & Kuwait
- Sweden

SEMINARS ORGANIZED

Organizing Secretary

1. National Seminar on Trends in Genetics on 30th of March 2010, CPMB Osmania University, Hyderabad
2. National Seminar on Perspectives of Genomics and Epigenomics on 31st August 2012 at Osmania University, Hyderabad, Andhra Pradesh, India.

Convenor

3. Two Day National Conference on ‘New Frontiers in Biotechnology-Prospects and Challenges’ University College for Women (UCW), Koti on the 29th and 30th January, 2015.

MEMBER IN

- ❖ Ethical Committee, Dept of Genetics
- ❖ Research committee of Department of Genetics (11.07.2012).
- ❖ PhD Admission committee (2015& 2018).
- ❖ Board of Studies of Biotechnology Kakatiya University, Warangal.
- ❖ Institutional Committee-Stem cell Research -Global Medical Education and Research Foundation.
- ❖ Purchase Committee of Department of Genetics
- ❖ Library Committee of Department of Genetics

COMMITTEE MEMBER FOR SEMINARS

1. Critical issues in the Diagnosis and management of childhood Genetic diseases Special reference to Thalassaemias and Muscular Dystrophy; 28th Feb, 2005, Jubilee Hall, Hyderabad.
2. Recent trends in Genetic Diagnosis and Counselling Jan 31st 2006, Institute of Genetics and Hospital for Genetic Diseases, Hyderabad.
3. Genetic screening for health-An update and launching of AnNeSp-15th April 2006 Institute of Genetics and Hospital for Genetic diseases, Hyderabad.
4. 1st AP Science Congress held at Osmania University on 14th-16th of Nov 2008, Hyderabad.
5. National symposium on Perspectives of Genomics&Proteomics. Jan 30th-31st,2009, Hyderabad.
6. Advisory panel member for-A National seminar on Drug designing & Discovery of Vaccines
7. Advisory Committee member- Three Day National Workshop “Statistical methods for Analysis of Complex Genetic Traits “18th November to 20th November 2015, Department of Genetics and Indian Statistical Institute, Hyderabad.
8. *Geneista*- A Two day science fest organized at Department of Genetics on March 23-24, 2016.
9. Advisory committee member for One day International Symposium on “Recent Trends in Chemical Biology” organized by Research Development and Consultancy cell, Osmania University, Hyd on 28th November, 2018.
10. Advisory committee member for One day National Conference on “New Vistas on Biotechnology for Sustainability” on 07th November, 2017.
11. Advisory committee for Two day National Conference on “The Current Status and Future Prospects of Biotechnology” at Nizam college from Nov 15-16, 2019.

CO-ORDINATOR (STUDENT AFFAIRS)

- ❖ Appointed as student coordinator & advisor for M.Sc Genetics, Dept. of Genetics, Osmania University for the academic year 2009 and 2017.

EXAMINER FOR PhD VIVA-VOCE

Appointed as an examiner for Ph.D Viva-voce since 2009.

PARTICIPATED

- ❖ Awareness Programmes on AIDS
- ❖ Awareness Programmes on tuberculosis and BCG vaccine
- ❖ Health camps for children
- ❖ Orthopedic Health Camp
- ❖ Health camp on genetic disorders
- ❖ Awareness Programmes on genetic disorders.
- ❖ Round Table Conference on Crisis- Crisis in Admission Process to Various Professional Carrere held at Osmania University, 9-8-2012.
- ❖ Bioclues Innovation Research and Development (BIRD) awards, November 24th2012, Seminar Hall, Dept. of Genetics,Osmania University, Hyderabad.

PAPER SETTER

1. Question Bank for II B.Tech. I. Semester (R07) Examination. (BT05276) Genetics.JNTU, Hyderabad, 2008.
2. Question paper for B.Sc Biotechnology, Nagarjuna Govt. Degree College 2009.
3. Question paper for M.Tech Biotechnology JNTU, Hyderabad 2009.
4. Question Bank for M.Sc(Human Genetics) entrance, Andhra University, Vizag 2010.
5. Question papers for B.Sc Biotechnology, NIZAM College, Hyderabad 2011, 2012.
6. Question papers for M.Sc Genetics & Biotechnology, University College of Science, Osmania University 2011, 2012, 2013.
7. Paper setting of OUCET- Biotechnology 2015, 2017.
8. Paper setting of AURCET-Human Genetics, 2017.

EXTERNAL EXAMINER

1. Genetic Analysis& Cytogenetics- MNR PG College –April-2008.
2. Biometry& population Genetics -MNR PG College –April-2008.
3. Genetic Analysis& Cytogenetics -MNR PG College –April-2009.
4. Recombinant DNA technology& Immunogenetics -MNR PG College –April-2009.
5. Cell Biology-Women’s College ,Koti, Hyderabad –April 2010

JUDGE

- ❖ Poster session at National Symposium on Perspective of Genomics & Proteomics.
- ❖ Oral session for Global Trends in Genetic Diagnostics and Therapeutics at Institute of Genetics, Begumpet, Hyderabad on 22nd -23rd February 2017.
- ❖ Oral session for “National Conference on Impact of COVID-19 Pandemic on Public Life and Future Challenges” at MAA Research Foundation auditorium, organized by MAA Research Foundation in association with MAA Hospitals Pvt.Ltd & Bhagwan Mahavir Medical Research Centre, Hyderabad on 26th & 27th March, 2022.

SUBJECT EXPERT

Subject expert in selection committee for recruitment of teaching staff for Genetics & Biotechnology at various affiliated & private colleges.

RAPPORTEUR

- ❖ Acted as a Rapporteur of a session in the “National Conference on Molecular Insights in Genetics and Biotechnology-Emerging trends and Future prospects” at Mekaster auditorium, organized by Dept. of Genetics & Biotechnology, Osmania University, Hyderabad on 27th & 28th Feb, 2017.

(Dr. H. Surekha Rani)