

Dr. Bheemsain Rao M.Tech, Ph.D

Country Head – (India& Intl) – Eurocor Tech GmbH Germany
Formerly Research Professor – PES University
Formerly Professor and Head, MSRIT,
Proctor – NCLC, USA
Consultant: Healthcare Projects
Res: A-101, Renaissance Aero, 10/3,Jakkur Main Rd, Bangalore - 92
Mobile: +91-9845683044
Email: drbheemsainrao@gmail.com



Being able to identify patterns and relationships that are not obvious to others is perhaps my greatest strength. This will prove very valuable because an integral part of being in an academia/research and healthcare industry is to perceive the balance between theory and practice, analytical rigor and intuition.

Dynamic career with a 25 year track record of progressive and decisive expertise in achieving organization's vision and mission, translating objectives into actionable plans and maintain key relationships with all stakeholders.

EDUCATION & PROFESSIONAL TRAINING :

- PhD**
(Biomedical Sciences)
Jun 2008
Laser Academy of Sciences, Moscow, Russia
State Scientific Research Centre for Laser Medicine.
- M.Tech**
(Biomedical Instr.)
May 1997
SJCE, Mysore, University of Mysore,.
IT dept, FCD (74%)
- B.E (E&CE)**
Dec 1989
SLNCE, Gulbarga University
EC dept, FC (62%)
- CLOA/Laser Safety Certification, The Laser Training Institute , USA
- Low Level Lasers & Therapy, Scientific centre for Laser Medicine, Moscow, Russia
- Medical Lasers - Syneron, Israel
- Medical Devices – Ecleris, Argentina
- Medical Devices - Japan

PATENT

: A STABLE PULSE OXIMETER TO MEASURE SPO₂ AND
HEART BEAT RATE (HR) **PATENT NO. 201621007087**

PERSONAL :

- Date of Birth / Age : 22 July 1967 / 51 years
- Spouse & Children : • Vibhavari Rao,
Purva & Anjalika
- Hobbies : Chess, Badminton, Reading, Movies, Travel
- Languages : Kannada, English, Hindi, Telugu, Gujarati

PROFESSIONAL MEMBERSHIP

- **Associate Member** American Society for Laser Medicine & Surgery (ASLMS) 2009
- **Life Member** Indian Laser Association (ILA) 2009
- **Life Member** National Biomedical Society of India, 2001
- **Life Member** Biomedical Engineering Society of India (BMESI) 2007
- Chief editor: ENGMEDNEWS, Newsletter 2010 & 2011
- **Life Member** Indian Society of Technical Education 1993
- Steering comm. member – ISTE Mumbai chapter 1993-94
- **Member** Rotary International 2008
- Poul Harris Fellow,(PHF)
- Community service Director (2019-11)

ACADEMIA MEMBER

- : BoS Member – Presidency University 2017-till date
- Academic Council Member – SVYASA Uni. 2015-18
- BoS and BoE Member (VTU) 2009-2012
- BoS Chair (MSRIT) 2008-2012
- Vice-chairman (Sports) –MSRIT 2009-12

EDITORIAL

- : Chief Editor – ICLASR Intl' conference proceedings 2012
- Chief editor – engmednews – newsletter 2010 & 11
- Intl' Journal paper reviver: IJOY

INT'L EXPOSURE

- **ISRAEL**, Medical Lasers : SYNERON MEDICAL LTD.,
- **ARGENTINA**, Medical Devices : ECLERIS S R L,
- **RUSSIA**, Medical Lasers LLLT
- **USA**, Lasers
- **JAPAN**, Medical Devices

INDUSTRY EXPERIENCE (Healthcare) :

- Medical Device/Implants/Equipments – Strategic plans for partnering with healthcare industry/institutions, Clinical application support, Training, business development.
- Design, Testing, Safety Maintenance, Standards and Compliances, SOP's,
- Formulate and supervise primary commitment to patient safety and product quality by maintaining compliance to the Quality Policy and all other documented quality processes and procedures.
- Product selection/procurement, Manage project, Product/Service promotions, informational data base maintenance, Support in commercializing new products through different channels, geographies and regulatory environments.
- CME's, Workshops and Training sessions for practitioners/medical staff and healthcare institutions.
- Consultancy- Healthcare projects: Cardio Vascular & Thoracic Surgery(CVTS), Interventional Cardiology Department set ups & management, Medical Laser Centres, Allied healthcare services.
- In-depth clinical procedures knowledge include Gynecology, Orthopedic, Oncology, ENT, surgery, Assistance during surgical Laser procedures, Endoscopic / Video assisted procedures in Operating Room environments.

PROFESSIONAL EXPERIENCE : 25 years (summary)

- **Country Head(India& Intl)**
(1Aug 2019 – till date) **Eurocor Tech GmbH, Germany**
Directing and coordinating activities, formulate strategies, commercialization and supervise implementation plans to achieve business goals of interventional cardiology department different channels, geographies and regulatory environments.
- **Director – Strategic Planning**
(May 2017 – 27 July 2019) **SLT Ltd., Gujarat (Medical Division)**
Strategic planning & manage medical division, clinical application/regulatory support to achieve commercialization goals.
- **Research Professor**
(Dec /2015 – April/2017) **PES University, Bangalore**
Department: ECE/ Crucible of Research and Innovation (CORI)
Role: Proposed and executed projects in the biomedical instrumentation/ Laser / Optics / Embedded systems / IOT areas.
Coordinated and mentored MSME-PES Business Incubator
- **Professor & Principal**
(July/2012 – Oct/2015) **NITMS (VTU) ,Bangalore**
Department: ECE, Head of Institution
Role: Administration, Planning and Development of academic systems and processes, coordination and compliances follow ups adwith regulatory bodies.
- **Professor and HoD**
(July/2008 – July/2012) **MSRIT (VTU) , Bangalore**
Department: Medical Electronics
Role: Teaching, Research projects, Administration, NBA/ISO accreditation process implementation, student projects, research guidance, Organizing FDP's/ conference/workshops.
- **Professor and HoD**
(June/2007 – July/2008) **SEACET (VTU) , Bangalore**
Department: ECE
Role: Teaching, Research projects, Administration.
- **Director**
(July/2001 – June/2007) **Mednestor Healthcare Pvt Ltd ,Bangalore**
Division: Healthcare projects
Role: Project Management, Consultancy, Training, Administration.
- **National Manager**
(Jun/1997 – Jun/2001) **SLT,Ahmedabad**
Division: Lasers Division
Role: Application support, Project coordination.
- **Lecturer**
(April/1990 – Jun/1995) **SAKEC, Mumbai**
Department: ECE
Role: Teaching, Lab conduction/set up.

ACADEMIC& RESEARCH ACTIVITIES

Teaching	:	Lasers in Medicine & Fibre Optics, Optical communication, Signals and Systems, Analog & Digital Electronics, Microcontrollers. Principles of Communications, Curriculum Developed: Medical Device Regulations (3 Cr), Engineering Design (2 Cr), Medical Electronics Design (4 Cr)
Research	:	Laser technologies, laser/bio-instrumentation, medical Electronics applications.
Research Guidance:	:	<ul style="list-style-type: none">▪ Mrs. SUMA K V (PhD) completed under VTU▪ Mrs. SHARMILA(PhD Pre-comp submitted under VTU)▪ Mr. RAKESH SHARMA (M.Sc Research- VTU)
Consultancy	:	Biomedical / healthcare technologies/Hospital Projects
Training	:	Medical laser training, FDP's, international/national Conferences, workshops.
Entrepreneurship	:	Mentored PES-MSME Business Incubator student proposals. 2011, Task force Member for Medical Instrumentation sector ,Industries & Commerce Dept., Govt. of Karnataka
Funded activities	:	Principal Investigator 2009-10 Project: Wound Healing (Funded by CUMI). <ul style="list-style-type: none">▪ Program coordinator – Organized – 2 week staff Development program on practical approach to Biomedical instrumentation (Funded by AICTE)▪ 2009 Program Coordinator – Organised national workshop on real time biomedical signal acquisition and analysis, MSRIT (Funded by TEQIP)▪ 2009 Travel grant funded by AICTE▪ Community service director, Rotary International Matching grant for Dialysis Project.

LIST OF PUBLICATIONS

Publications in Refereed Journals (International)

Research-related

1. Comparative evaluation of effects of continuous and pulsed low-level laser light with wavelength 0,63–0,67 μm at some biochemical and hematologic indexes, Laser Medicine 2011, vol T15(3) Page (11-13), Bheemsain Rao¹, Moskvina S V²
Assessment of effects of 0.63 μm Pulsed laser irradiation
Laser Medicine, Bheemsain Rao, Dr. A V Geinitz, and Dr S V Moskvina
Assessment of effects of 0.63 μm 0.63 μm Continuous Laser Irradiation.
Laser Medicine, Bheemsain Rao, Dr. A V Geinitz, and Dr S V Moskvina
2. Low intensity laser therapy in treating ulcers: a pilot study:
Laser Medicine 2011, vol 15(2) Page 124, Bheemsain Rao¹, Supriya Babu¹, Veena P. Waiker², Jaisri Goturu³, Vasanthi Ananthakrishnan³, Dayananda G.³, Arun Kumar M.³
3. Effect of LLLT on recurrent aphthous stomatitis, Laser Medicine 2011, Vol 15(2) Page 124, Supriya Babu¹, Bheemsain Rao¹, Jaisri Goturu², Vasanthi Ananthakrishnan²,
Dayananda G.², Arun Kumar M.²

Publications in Conference Proceedings Journals (International)

Research-related

4. Novel Approach for Healing Leg Ulcers: Case Study involving combined effect of Low Level Laser Therapy and Bioceramics, ASLM 31st annual conference: 30 March -3 April 2011, Bheemsain Rao, PhD¹, Supriya Babu, MS¹, , Veena P Waiker, M.Ch², Jaisri Goturu, MD³, Vasanthi Ananthakrishnan, MD³, Dayananda, MD³, Arun Kumar M., MBBS³,
5. Medical Laser Technology – ICSE – 10 , International Conference at DSCE, 2010, Bangalore, India
6. Combination of Bioceramic action & Laser irradiation in wound Healing
Laser Medicine of XXI Century, Moscow (Russia) 9-10 Jun 2009
Bheemsain Rao , Dr Jaisri, Dr Vasanti, Dr. Mukundarao, Dr Dayananada
7. Non invasive techniques for diagnosis and prognosis of non communicable diseases
Suma K V, Bheemsain Rao, MSRIT, Proceedings of International conference on “Laser Advances in Science, Engineering and Research” ICLASER 2012, June 8-10, 2012, MSRIT, Bangalore India
8. Low level laser therapy for recurrent aphthous stomatitis : a pilot study
Arunkumar, Supriya babu, Bheemsain Rao, Jaisri Gotur, Vasanthi A, Kirthana K, Kunal A, Sujatha Reddy, Proceedings of International conference on “Laser Advances in Science, Engineering and Research” ICLASER 2012, June 8-10, 2012, MSRIT, Bangalore India
9. Classification of Nailfold capillary images using wavelet and discrete cosine transform. Suma K V, Dr K Indira, Dr. Bheemsain Rao, Proceedings of International conference on “Circuits, Communication, control and computing” 14C 2014, Nov 21-22, 2014, IEEE-EMBS chapter MSRIT, Bangalore India
10. Extraction and Analysis of Nailfold capillaries. Charan S G, Suma K V, Dr. Bheemsain Rao, Proceedings of International conference on “MEDCOM 2014” Nov 6-7, 2014, IEEE- chapter, Noida India
11. Segmentation of Nailfold capillary images for study of microcirculation in Diabetes Mellitus in Indian Population. Suma K V, Nitish Manjunath, Dr K Indira, Dr. Bheemsain Rao
Proceedings of International conference on “Emerging Research in Computing, Information, communication and applications” ERCICA-14, ELSEVIER

Publications in Conference Proceedings Journals (National)

12. Nano-Piezotronic Sensors for Intracranial Pressure Monitoring”, Published in the proceedings of National Conference on Adaptive Sensors & Intelligent Systems (NCASIS’08) held at Sri Ramakrishna Engineering College, Coimbatore, India between 21-22 November 2008
Supriya Babu, M. Mukunda Rao, Bheemsain Rao
13. Regulatory scenario in Clinical research in India & Globally
National IcBio conference – 08 March 2008 –Bangalore, Bheemsain Rao

Conference Presentations (National)

14. Applications of Nanostructures in Neurosciences”, Invited talk at National Workshop on Synthesis, Characterization and Applications of Nanostructure Materials held at Sri Sathya Sai University, Prashanthi Nilayam, Andhra Pradesh, India, 27-28 Feb 2009.
Supriya Babu, M. Mukunda Rao, Bheemsain Rao

CONTINUING EDUCATION

Conducted:

- 2012, Conference Chair, International Conference “ICLASER 2012”
- 2011, Study abroad program with Purdue University, USA (funded by MSRIT)
- 2010, Faculty development program – MSP430 microcontroller (Funded by Cranes s/w).
- 2009, FDP on Practical approach to Biomedical instrumentation (Funded by AICTE)
- 2008, FDP on Biomedical Signal Analysis (Funded by TEQIP)

Attended:

- 2010, Consultation workshop on alternate technologies for sound management of healthcare waste in the context of Stockholm convention, 3 March 2010, MSRMC, Bangalore.
- 2010, Development of technology commercialization and transfer specialists, 11-13 March 2010, CDC, Delhi.
- 2010 Attended Theme meeting on “Advanced applications of Physiological Variability, 28-29 Oct 10 , BARC Mumbai
- 2008, IISc centenary conference, 13-15 Dec 2008
- 2008, Achieving excellence in engineering education, 16-18 Dec 2008, ESCI, Hyderabad
- 2008, Educators Day, 21 Nov 2008, National Instruments, India

Invited/Plenary/Keynote Lectures/Honors

- 2010 & 11, Invited Guest lecturers SVYAS – university (Biomechanics, Mind Body Medicine)
- 2010 - Lectures – (Funded by AICTE) – Two week staff Development program :
Key Note Lecture: Practical approach to biomedical instrumentation.
- 2009 Lectures – (Funded by TEQIP) National workshop :
Key Note lecture: Real time Biomedical signal acquisition & analysis
- 2009 Invited Speaker & Chair – National conference on signal & image processing – SMKFIT, Chennai : Medical Device -product life cycle development
- 19 Sep 2008, Invited Lecture- Laser Safety: Cosmolasercon 08, Mumbai
- 1998 Appreciation for best biomedical support during ASICON Ajmeer, Rajasthan, India 1998.
- 1997 Invited Lecture, All India otolaryngology conference, Bangalore
- Invited speaker at Surgical , Aesthetic laser/Dermatology Workshops/conferences/CME’s at state chapters
- Lecture on Laser Medicine at “Summer school ‘SJCE, Mysore 2001.