

Detailed CV

Name: Rajkumar Sambanna Meti

Educational Qualification: M.Sc.,B.Ed.,(Ph.D)

Designation: Assistant Professor



Address for Correspondence: Department of Studies & Research in Biochemistry Jnana Kaveri Campus ,Mangalore University ,Post Graduate Center Chikka Aluvara , Kushalnagar, Kodagu-571232 Karnataka.

E-mail:rsmeti@gmail.com ,Phone: 9740175174

Research Areas: Nanotechnology, Mycology, Protein chemistry.

Professional Teaching Experience: 12 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list (with hyperlinks to their CV if available)

Ongoing Registered Students' list

Research Projects

Completed

Sl no	Title	Agency	Period	Grant/Amount Mobilized(Rs. in lakhs)
1	“Green synthesis and characterization of silver and gold nano particles using seed extracts of <i>Vernonia anthelmintica</i> ”	Mangalore University (UGC SEED money)	2017-2019	0.45
2	“Antimicrobial activity of marine Isolates: Identification , isolation and characterization”	UGC	2011-2013	1.60

Ongoing

Professional Collaboration

International

National

Research Journal Publications

International

- Vaijinath A Verma, Anand R Saundane, **Rajkumar S Meti**, Raju Shamrao, Vijaykumar Katkar. Synthesis, Biological Evaluation and Docking Studies of Some New Indolyl-Pyridine Containing Thiazolidinone and Azetidinone Analogs. **Polycyclic Aromatic Compounds**, Vol 40.2020. (Taylor & Francis) .
- Dharmappa K. K. Sophiya P., Lohith N. S., Giresha A. S., Shankar J. , **Rajkumar S. Meti** . Inhibition of GIIA sPLA2 by *Annona glabra* as an anti-inflammatory function: An attempt to neutralize the inflammation of cancer. **Biomedicine** Vol .40 (1).2020
- Mujeeb C. A, **Rajkumar S Meti**, Anu. V, Vinod M K (2020).Biosynthesis of Gold and Silver Nanoparticles and Antimicrobial Activity of Physalis Minima Leaf Extracts. **International Journal for Research in Applied Science & Engineering Technology** .Vol.8 (1).466-471
- P. Sophiya, N. S. Lohith, A. S. Giresha, M. Narayanappa, **Rajkumar S. Meti**, A. D. Sathisha, and K. K. Dharmappa(2019). “Inhibitory effect of ethanol extract of melastomamalabathricum leaves on inflammatory sPLA2 enzyme and its ability to reduce the cell viability of PC3 cell line”. **International Journal of Pharmaceutical Sciences and Research**, Vol. 10(11): 1000-10
- Vaijinath A. Verma ,Anand R. Saundane and **Rajkumar S. Meti** (2019):Synthesis of Schiff Base Indolyl-1,3,4-Oxadiazole, Thiazolidinone and Azetidinone as Efficient Antimicrobial, Antioxidant, Antituberculosis and Anticancer Agents. **Asian J. Org. Med. Chem.**/ 2019 / 4(2) / pp77-88
- Vajinath A Verma ,**Rajkumar S Meti**.(2016). Synthesis and biological evaluation of some novel pyrido(2,3-d) pyrimidine derivatives as antimicrobial and antioxidant agents.**International Journal of Chemical and Pharmaceutical Sciences**,7 (3),39-4.

- AnuV, **Rajkumar S Meti**,MujeebC.A,Vinod M.K(2015).Biosynthesis of silver nanoparticles from Artocarpushirsutus leaf extracts its antimicrobial activity and phytochemical analysis. **International Journal of Research in Pharmaceutical and Nano Sciences**. 4(1), 2015,28-39.
- **Rajkumar S Meti**,ShardorAmbarish and Pradeep V .Khajure.Enzymes of Ammonia Assimilation in Fungi: An Overview. **Recent Research in Science and Technology** 2011,2(4):28-38.

Books / Book chapters / Translations published

Books

1. Novel thermophilic microorganism's and their industrial applications (2020): Reference book, by Lap Lambert Publishing.Mauritius .ISBN :978-620-0-56751-2
2. Recent advances in hypospadias: epidemiology, diagnosis and Treatment: Reference book, by Lap Lambert Publishing.Mauritius 2020 .ISBN :978-620-0-53680-8.
3. Novel nanoparticles from silk worm (2019): Reference book, by Lap Lambert Publishing.Mauritius .ISBN :978-620-0-47897-9.
4. Green synthesis of Novel metaloxide nanoparticles and their Biomedical and agrobio Applications (2019): Reference book, by Lap Lambert Publishing.Mauritius. ISBN 978-620-2-51550-4

Book chapters

Book: Marine biology and ecology: Narendra Publishing House, Delhi (India)

Chapter: Potential Antidiabetic Activity of *Rhizophora Mucronata*: An Ocean Plant

Papers/ poster presentations in Conferences / Seminars / Symposia

International

- **Rajkumar S Meti** and S.E.Neelagund (2020): “Influence of pH and Temperature on Biological Synthesis of Gold and Silver Nanoparticles from *Clitoria macrophylla* plant extract”, poster presentation at International conference world environment summit 2020 (ESDA CON 2020) organized by Environment and Social Development Association (ESDA), Delhi 18-19 January, 2020 held at The Auditorium, Vallabhbbhai Patel Chest Institute, University of Delhi.
- Pratham T J and **Rajkumar S Meti** (2019): Green synthesis of mosquitocidal silver and gold nanoparticles using leaf extract of *Clitoria macrophylla* and evaluation of their antibacterial, antifungal and larvicidal activity International conference (AFMEEHC)-Advanced Functional Materials for Energy, Environment and Health Care 18-20th March 2019 ,University of Mysore.
- **Rajkumar S Meti** and S.E.Neelagund (2019): Oral presentation at International conference (ESDA CON 2019) Global environmental challenges ,human health and sustainable development organized by Environment and Social Development Association (ESDA), Delhi January 11-13 held at The Convention Centre, Jawaharlal Nehru University, New Delhi
- **Rajkumar S Meti** and S.E.Neelagund (2018): Poster presentation at International conference on Current concepts on the role of Indian medicine and phytoceuticals in maintenance of health -IABMS 2018 November 15-17 2018 held at JnanaKaveri Campus, Mangalore University Post Graduate Center ,Chikka Aluvara, Kodagu,Karnataka.
- **Rajkumar S Meti** and S.E.Neelagund (2018): Bangalore “Biosynthesis of Gold and Silver Nanoparticles from *Acacia sinuata* and Larvicidal activity against dengue vector ” Oral presentation at International conference on medicinal plants & drug discovery (ICMPD-2018) July 18-20 held at Hotel The CapitolBangalore,Karnataka
- **Rajkumar S Meti** and S.E.Neelagund(2017):International Conference on green chemistry & nanotechnology opportunities & challengesfebruary 27th & 28th, 2017 St Aloysius College ,Mangalore.

- **Rajkumar S Meti** and S.E.Neelagund (2015): “Green synthesis and characterization of silver and gold nanoparticles from *Acacia sinuata*”at International Conference on Nanoscience, Nanotechnology & Advanced Materials (NANOS 2015) December 14th-17th , Visakapatanam
- **Rajkumar S Meti** and S.E.Neelagund (2013).“A Study on Biosynthesis of Gold and Silver nanoparticles from *Moullava spicata* leaf Extracts and its antimicrobial activity”at "International Conference on Nanoscience& Nanotechnology (ICNN- 2013)" during 18-20 November, 2013 at BabasahebBhimraoAmbedkarUniversity,Lucknow, U.P.,India.
- **Rajkumar S Meti** and M.V.Deshpand (2005).“Polyamines, Glutamate dehydrogenases and Dimorphism in *Benjaminiellapoitrasii*at International conference on Biology of Yeast, held in sep,2005 at Indian Institute of Science , Bangalore ,India.
- **Rajkumar S Meti** and M.V.Deshpand (2005).“Anaerobic fermentation studies for yeast-mycelium dimorphic transition in *Yarrowialipolytica*”at International conference on Biology of Yeasts, held in Sep,2005 at Indian Institute of Science, Bangalore, India.
- Participated in ‘International seminar on Research Methodology and Data Interpretation’ held at Avinashilingam University for women, Coimbatore 28thJanuary 2010.
- Participated in ‘International interdisciplinary Conference on the frontiers of Astronomy IICFA’ held at FMKMC College, Madikeri, on 28th 30thDecember 2009.
- Participated in “Interational conference on Molecular Mechanisms and Systems Biology”held at PESIT,Bangalore,2nd-4thMay2008.
- Participated in “International conference on Biology of Yeast” held in sep,2005 at Indian Institute of Science , Bangalore ,India.

National

- **Rajkumar S Meti** and Sujaykumar (2019): Biosynthesis of Silver Nanoparticles at different pH and temperature from *Brugmanisaarborea* leaf extract and its antibacterial activity poster presentation at 88th Annual meeting SBCI-2019 AND National conference Advances at the Interface of Biology & Chemistry November 1-3, 2019 BARC-Mumbai.
- **Rajkumar S Meti**(2019): Biosynthesis of Gold and Silver Nanoparticles from *Vernoniaanthelmintica* seed extract and Larvicidal activity against Dengue vector. National Conference on Recent Advances in Material Science on 5th February 2019 Department of Chemistry Field Marshal KM Cariappa College, Madikeri.
- **Rajkumar S Meti** and S.E.Neelagund (2017): "Biosynthesis of Gold and Silver Nanoparticles from *Acacia sinuata* and Larvicidal activity against mosquito larvae Two day National level Conference on Trends in Bioactive Natural Products and Health Care 6th & 7th October held at JnanaKaveri Campus, Mangalore University Post Graduate Center ,ChikkaAluvara, Kodagu, Karnataka.
- **Rajkumar S Meti** and S.E.Neelagund (2017): "Two days National Conference on Reaching the unreached through science and technology: Recent advances in Physical ,Chemical, Mathematical and biological Sciences for Energy ,Health and Environment September 8-9, 2017 at Mangala Auditorium, Mangalore University, Mangalore.
- **Rajkumar S Meti** and S.E.Neelagund (2017). "Green synthesis of silver and gold nanoparticles from medicinal plant *Acacia sinuate* " at One day National level Conference on frontiers in Biotechnology & life sciences 3rd march 2017 MMK&SD Mahila Maha Vidyalaya, Mysore
- **Rajkumar S Meti** (2014) "Biosynthesis of Silver nanoparticles from *Tithonia rotundifolia*" at National Seminar on Microbes in Present Scenario during 28th Feb and 1st March 2014 at Mangalore University P.G. Centre DOS in Microbiology ChikkaAluvara, Kodagu
- Ashwini S and Rajkumar S Meti (2013) .Antimicrobial ,Antioxidant and Phytochemical analysis of *Argyria hookeri* plant extract at National conference on Biotechnological approaches in Medicinal And Aromatic plants Research, Maharani's Science College for women ,Bangalore , 21st-22nd march 2013

- DeepikaM,Preetha N and **Rajkumar S Meti**“A comparative study of effect of pH and Temperature on Biological Synthesis of Silver Nanoparticles from *Alamondacathertica*and *Maesaindica*Plant extracts” at National Seminar on Biomolecules & Biocatalysts in Bioprocesses held at department of Biochemistry St.Aloysiuscollege,Mangalore 8thand 9thMarch,2012
- **Rajkumar S Meti** and M.V.Deshpand (2011). “The role of Glutamatedehydrogenase enzyme in dimorphism and as antifungal target”atNational Conference on Applications of Regenerative Medicine in Modern healthcare-current perspective and future frontiers held at KarpagaVinayaga College of Engineering and Technology, Madhuranthagam ,Tamilnadu 10&11thMarch2011.
- **Rajkumar S Meti**(2010) “Biodegradation of Azo Dyes” in6thKannada Vijnana Sammelanaheld at Karnataka veterinary university Bangalore, 15-17thSeptember 2010
- **Rajkumar S Meti** and M.V.Deshpand (2010). “Anaerobic fermentation studies for yeast mycelium dimorphic transition in *Yarrowialipolytica*” at National Seminar on Biodiversity for Human Welfare held at department of studies and research microbiology, Mangalore University ,Cauvery campus,Madikeri 7&8thApril,2010
- **Rajkumar S Meti**(2009). “Evolution of Nanotechnology and its Applications” in 5thKannada VijnanaSammelanaheld at Mangalore University Mangalore, 15-17thSeptember2009.
- Participated in Two Day National Seminar on “Democracy ,Justice and Social Change: AmbedkarPrespective ”held at JnanaKaveri Campus, Mangalore University Post Graduate Center ,ChikkaAluvara, Kodagu ,Karnataka,13th-14thOctober2017.
- Participated in Two Day National Seminar on “Application of science and technology to promote agricultural growth and value addition ”held at JSS College of Arts,Commerce& Science, Mysore,2nd-3rdDecember2012.
- Participated in National seminar on Biomolecules & Biocatalysts in Bioprocesses held at Department of Biochemistry St.Aloysiuscollege ,mangalore 8thand 9thMarch2012.

- Participated in One Day National Seminar “ Challenges and oppurtinitues in Chemistry and Biology” held at FMKMC College , Madikeri 17thDecember2011.
- Participated in Three Day state level science conference held at FMKMC College, Madikeri 26th-28thFebruary2011
- Participated in State level seminar on ‘Relevance of Ambedkar’s economic, political and social thoughts in present scenario’ held at FMKMC College madkeri 22 January2011
- Participated in “One Day State Level Seminar on Ayurveda and Phytopharmaceuticals” held at JSS College of Arts, Commerce & Science, Mysore, 21 January 2011.
- Participated in One Day National Seminar “ Challenges and oppurtinitues in Chemistry and Biology” held at FMKMC College , Madikeri 17thDecember2011.
- Participated in National Seminar on Biodiversity for Human Welfare held at department of studies and research in microbiology, Mangalore University, Cauvery campus, Madikeri 7 & 8 April, 2010

Regional

- Participated in CDE programme on “Application of Nanotechnology in Medicine” held at A.B. Shetty Memorial Institute of Dental Sciences 20 February, 2010.
- Participated in state level seminar on “Ancient doctrines and its Relevance in present scenario” held at FMKMC College, Madikeri, on 13th Oct 2008.
- Participated in One Day Workshop on “Alternative Therapies and wellbeing” held at FMKMC College, Madikeri 23 March 2013
- Participated in One Day Workshop on “Teacher competency development” held at FMKMC College, Madikeri 11 January 2013.

Invited / plenary talks delivered

1. **Delivered Invited talk** on “Biofuels for greener planet; at National conference held from 19th, 20th September 2014 at Shri.prabhu arts science and j.m.bohra commerce degree college shorapur ,Gulbarga , Karnataka.
2. **Delivered Invited talk** on “Basics of biochemistry and its applications” at the workshop sponsored by Academy of Science and Technology,DST held from 11th -14th August 2009 ,FMKMC College Madikeri.

Impact of publications in terms of

h-index : 2

i10 index:1

Citation index :13

Conferences / Seminars / Workshops / Symposia organized

- **Organized international Conference (2018)** as Co –convener):International conference on Current concepts on the role of Indian medicine and phytoceuticals in maintenance of health - IABMS 2018 November 15-17 Jnana Kaveri Campus, Mangalore University Post Graduate Center ChikkaAluvara, Kodagu ,Karnataka Organizing Committee Member
- **Organized Two Day National Seminar** Organizing Committee Member (2017).“Democracy,Justice and Social Change: Ambedkar Prespective”held at JnanaKaveri Campus, Mangalore University Post Graduate Center ,Chikka Aluvara, Kodagu ,Karnataka,13th-14thOctober 2017.
- **Organized Two day National level Conference** as Co-Secretary (2017). Trends in Bioactive Natural Products and Health Care 6th & 7th October 2017 held at JnanaKaveri Campus, Mangalore University Post Graduate Center ChikkaAluvara, Kodagu,Karnataka .
- **Organized National Conference (2014).** in collaboration with Yenopova University as Co – convener SOBSICON 2014 18th- 20thNovember 2014

- **Organized workshop & “Inauguration of SBC(I) Madikeri Branch at Madikeri “IAS outreach workshop on Molecular Biology” on 11th -12th April 2008, Department of biochemistry, P.G. centre, Cauvery Campus, Madikeri.**

Awards / Fellowship / Recognition

- **Best paper Award in the National Conference - Biosynthesis of Gold and Silver Nanoparticles from *Vernonia anthelmintica* seed extract and Larvicidal activity against Dengue vector.** Recent Advances in Material Science, February 2019, Department of Chemistry, Field Marshal KM Cariappa College, Madikeri.
- CSIR(JRF) Fellowship

Membership of Professional Bodies

- Society of Biological Chemists (SBC) (India)
- Indian Science Congress Association (ISCA)
- Swadesi Vijnana Andolana Karnataka