

CURRICULUM VITAE



DR.GOPAL K MARATHE, M.Sc., Ph.D

PROFESSOR,

DEPT. OF STUDIES IN BIOCHEMISTRY,

CHAIRMAN, DEPT. OF STUDIES IN MOLECULAR BIOLOGY MANASAGANGOTRI,

UNIVERSITY OF MYSORE,

MYSORE – 570 006.

KARNATAKA

INDIA

Ph: 0821-2419622 (Office)

Cell: +91 9686423624

Email: 1) marathe1962@gmail.com;

2) gopalm@biochemistry.uni-mysore.ac.in

DATE OF BIRTH: 30th APRIL 1962.

NATIONALITY: INDIAN

EDUCATION:

1) **B.Sc.** (Botany, Zoology, Chemistry), M.G.M.College, Udupi,

Mangalore University , India, (1981-1984).

2) **M.Sc.** (Biochemistry), Manasagangotri, University of Mysore, Mysore,

India (1984 - 1986) 2nd Rank.

3) Qualified to receive UGC, CSIR, GATE research fellowship – in 1986-87.

4) **Ph.D** (Biochemistry), Manasagangotri, University of Mysore, Mysore,

India (1987 - 1994).Ph.D dissertation:

"Studies on Platelet Activating Factor (PAF)"-Department of Biochemistry, University of Mysore, Mysore – 570006, under the guidance of **Prof. Cletus JMD'Souza.** (1994)

RESEARCH & PROFESSIONAL APPOINTMENTS

1. Professor, Department of Biochemistry, **University of Mysore, Mysore – 570 006, India.** (2014 – till date)
2. Associate Professor, Department of Biochemistry, **University of Mysore, Mysore – 570 006, India.** (2007- 2014)
3. Project Staff, Department of Cell Biology, Lerner Research Institute, **The Cleveland Clinic, Cleveland, Ohio,** (June 2004-September 2007) with **Prof. Thomas M. McIntyre**
4. Research Associate: Eccles Institute of Human Genetics and Molecular Biology, **University of Utah, Salt Lake City, Utah, USA** (June 1999 – May 2004) **Prof. Thomas M. McIntyre.**
5. Post-doctoral fellow: Nora Eccles Harrison Cardiovascular Research and Training Institute, **University of Utah, Salt Lake City, Utah, USA** (July 1996 – May 1999) with **Prof. Thomas M. McIntyre.**
6. Post-doctoral fellow: Department of Biochemistry and Molecular Biology, **Medical College of Georgia, Augusta, USA** (September 1994 – May 1996) with **Prof. Ata. A Abdil – Latif.**
7. **Project Assistant:** (National Biotechnology Board Fellowship): Center for Reproductive Biology & Molecular Endocrinology, **Indian Institute of Science, Bangalore, India** (July 1992 – August 1994) with **Prof. Rajan R Dighe.**
8. **UGC Research Fellow:** Department of Biochemistry, **University of Mysore, Manasagangotri, Mysore.** (April 1987 – April 1992) with **Prof.Cletus JMD'Souza.**
9. **Scientific Assistant:** Central Laboratory, **St.John's Medical College, Bangalore, India** (June 1986 – October 1986) with **Prof. Elizabeth Zaccharia.**

HONORS

1. **Visiting Professor**, Department of Biotechnology, Manipal Academy of Higher Education (MAHE), Manipal - 574219, India Since 2003**Visiting Professor**, Department of Postgraduate studies in Biotechnology, and Pharmacognosy, **SDM Educational trust, Mangalore University, Ujire, Dharmastala - 574228, India.** Since 2003
2. **Visiting Research Scholar and adjunct faculty:** Department of Cell biology, Cleveland Clinic foundation, Cleveland, Ohio, USA since 2007 with Prof. T.M.McIntyre.
3. **Visiting Research Scientist:** Texas Heart Institute at St.Lukes, Texas Medical Center, Houston Texas with Prof. C-H.Chen. Since, August 2009-Jan 2010)
4. **Editorial member** to "SHODHA"- a biannual research magazine published by Sri Manjunatheshwara Educational Trust, Ujire, Dakshina Kannada Dist, Karnataka, India.
5. **Visiting Scientist:** Kaohsiung Medical University, Kaohsiung, Taiwan from 6th to 14th July 2018

TEACHING EXPERIENCE:

1. Department of Biochemistry, University of Mysore, Manasagangotri, Mysore-6 (1987-1992) and from, 2007-Till date. Teaching Lipid Biochemistry, Metabolism and Cell Signaling to Post graduate M.Sc. Students, Supervising their project work, and practicals. Also teaching M.Sc. (Integrated Mol Biology) students at Yuvaraja's college and SBRR Mahajana's College (Invited Guest lecture), Mysore.
2. Founder of UGC/CSIR NET classes during the year 1989-1992. Today this has become an independent body of the University with support from UGC.
3. Guest lecturer in Biology at Salt Lake City, Utah community college, USA. 2003.
4. Conducted Sunday Classes for Children of Indian origin on cultural values of India (Balvihar/Balagokulam) in United States between 2000-07.

Recognized as Ph.D guide in Biochemistry (University of Mysore & Manipal University), Molecular Biology (University of Mysore) and Guiding the following students:

Ph.D Awarded:

1. Lakshmikanth C.L
2. Shancy Petsel Jacob
3. Goutham S
4. Chaithra V.H
5. Abhilasha K.V
6. Sumanth M.S
7. Shiva S
8. Kavya P

Ph.D. – Registered/ Enrolled

1. Indumathi M C- Registered
2. Kamatam Swetha- Registered
3. Gagan T A- Enrolled
4. Dravya – Enrolled
5. Kavitha- Enrolled

MENTOR FOR FOLLOWING SUMMER / ROTATION STUDENTS (CURRENT POSITIONS)

1. Humiao Jiang (January – March 1999) (Research Associate, University of Utah, Salt Lake City).
2. Tirumi Hisano (Summer of 2001) (Private Business, New York)
3. Haiying Zhang (March – April 2001) (Graduate student, University of Utah)
4. Jason Hansen (Summer of 1999 & 2000) (Medical student, University of Utah)
5. Haiyan Peng (January – March 2003) (Graduate student, University of Utah)
6. Wade McIntyre (Summer 2003) (Medical student, University of Utah)
7. Britt Schofield (Summer 2003) (Medical student, University of Portland)
8. Stephani Hovan (Summer 2004) (Under graduate student, John Carroll

University of Cleveland).

9. Tricia Castillo (Summer of 2005 & 2006) (Undergraduate)

10. Rachel Randall (2007) Medical student of Cleveland Clinic of Lerner College of Medicine.

Mentor for following Project students in the Department of Biochemistry, Manasagangotri, Mysore (2007-2020)

Wethroe Kapfoe, Sowmya Kuruvatti, Preeti Raghavan, Arun.P, Pavitra AJ, Giridhar, Naveen YP, Sakina Razack, Varuna.H.P, Bidhan Nayak, Sushma.G.N, Madhura, Sadashivaiah, Sindhu, Chaitanya Pandit, Akshata, Ashwini Rani, Palani Swamy, Sushma, Swapna Gowda, Chaitra, Lavanya, Pavan HK, Prajwal Karki, Manutha, Mahendra, Shiva, Rudresh, Sridevi, Rachana, Yohanis Wondwosen, Mohan, Abhilash K V, Sunil Gowda, Poornima, Shyla K, Manasa, Sindhu Rani, Gunjit Maan, Preethi Tripati, Ambika B G, Dhanush N, Mahesha M, Naresha A N, Pavithra G P, Shruthi G, Shwetha K N, Surabhi M N and Sushma M S. Muddasir, Manjunath, Roopa, Ramya, Rimsha, Lavanya, Pallavi, Partha, Sandhya, Meghana, Md. Natheer, Komala, Vishal, Punya, Bharathi, Pooja, Hillary, Gagan, Yashashwini, Pooja, Ashritha, Bharath, Udayadithya, Kavya, Dayanand, Durva kumar, Sagar, Ranjitha, Akashai Kumar, Kavya, Sushma, Jyothi, Sowmya, Shwetha, Manjunath Karur. Parvathi Nair, Meghana Hiremath, Madhushree M, Srivalli, Soumya M, Bhavyashree K B, Chinmay Hazare, Lekshmi P, Lalitha, Hemanth R, Parvathi S, Tinchan, Manasa K P, Apoorva P, Ashika D B, Megha K R, Poojashree K G, Revanth Kumar K, Sandesh S Pateel, Spoorthy K S, Swathi H K, Vikas, Soha Bojamma, Ashwini V K, Harshini J Prakash, Manasa B R, Pooja H R, Shilpa H K, Shivashankare Gowda S, Sonam Pelmo, Swathi S.

MENTOR FOR FOLLOWING TECHNICIANS (current positions):

Diana Beedle (2002 – 2004) (Technician, Huntsman Cancer Institute, University of Utah)

Vidyanath Tirumala (2003-2005) Technician, University of Utah and Cleveland Clinic

Stacey Macecevik (2004 – 2006) (Technician, The Cleveland Clinic)

Jessica Cemate (2004 – 2006) (MBA student, University of Buffalo, New York) Manisha

Sharma (2004 – 2007) (Technician, The Cleveland Clinic)

Jian Chen (2004) (Scientist – Private Biotech firm, Salt Lake City, Utah, USA) Vincent Barns (2004 – 2007) (Scientist, Texas State Govt., Texas, USA) Andy St.Hilaire (2000 – 2003) (Medical student, Virgin Islands)

CO-SUPERVISOR FOR THE FOLLOWING GRADUATE STUDENTS WITH

Prof.McIntyre (current position):

1. Gang Zho (CWRU), 2007-2012 (Post doc at Methodist Hospital, Houston)
2. Jiawei Chen (2004-2007) (Employed in a private firm, New York)
3. Xi Chen (2004 – 2007) (Scientist – Medical College of Wisconsin)
4. Jason Foulks (2002 – 2004) (Scientist, Utah Neutraceuticals, Utah)
5. Junji Watanabe (2000 – 2003) (Post-doctoral fellow, UCLA, USA)

MENTOR FOR THE FOLLOWING VISITING SCIENTISTS:

1. Adriana de silva (Instituto Oswaldo Cruz, Rio de Janeiro, Brazil)
2. Anita Nishiyama (Universidade Federal Do Parana, Brazil, 2001)
3. Lara F.C Caiado (Institute Oswaldo Cruz, Rio de Janeiro, Brazil)
4. Edson de Assis (Instituto Oswaldo Cruz, Rio de Janeiro, Brazil)

COLLABORATION WITH THE FOLLOWING SCIENTISTS:

Prof. Thomas M. McIntyre (Cleveland Clinic), Andy Weyrich, Con Yost, Matthew Rondina, Kurt Albertine (All from University of Utah), Prof. Jeff Travers, Ravi Sahu (Wright State University), Prof.C-H (Mendel) Chen (Texas Heart Institute, Houston, Texas), Sean Davies (Vanderbilt University, Nashville,TN), Hugo-Castro Faria Neto, Adriana D'Silva (Oswald Cruz Foundation, Brazil), Prof. Albert W.Girrotti, (Medical College of Wisconsin, Milwaukee,USA). Dan A.Dixon (University of South Carolina, USA), Kamala Devi Patel (University of Calgary, Canada), Prof Sandeep Prabhu (University of Pennsylvania, College Station), Dr. N.S. Devaki, Dept. of Molecular Biology, Yuvaraja's College, Mysore, Dr. Ruth Shantha Kumari, Dept of Zoology, St. Philomena's College, Mysore., Dr. Liang Yin Ke (Kaohsiung Medical University, Taiwan), Dr. Belinda Willard (Lerner Research Institute), Dr. Venkatesha Basrur (University of Michigan Medical School), Prof. Richard Cummings (Beth Israel Hospital, Harvard University), Chandrashekhar Sagar (NIMHANS, Bangalore), Satish Adiga (KMC, MAHE), Satish Rao (School of Life sciences, MAHE), Dr. Lakshminarayana Shenoy (Govt. Ayurveda Medical College).

PROJECTS

Principal Investigator:

1. UGC Funded Major research project entitled “ANTAGONISM OF PLATELET ACTIVATING FACTOR (PAF) – MEDIATED INFLAMMATORY RESPONSES BY *TYLOPHORA ASTHMATICA*” (No.F.: 41-1284/2012(SR) dated 25th July 2012). Grant amount: Rs. 14,91,800/- (Jul 2012 – Dec 2015) - completed

Co-Investigator:

1. UGC Funded Major research project entitled “Unraveling the biology of sperm storage in the oviduct of female garden lizard, *Calotes versicolor*” (F.No. 42-615/2013 (SR) dated 25th March 2013) Grant amount: Rs. 8,35,800/- (PI – Dr. Ruth Shantha Kumari) - completed
2. DST-SERC funded project entitled “Novel non ulcerogenic small molecules – chemical synthesis and biological efficacy in chronic inflammatory disorders” (DST/SR/SO/HS-0250/2012 dated 19/09/2013) Grant amount: Rs. 18,80,000/- (PI – Prof. M. K. Unni Krishnan) - completed
3. DRDO- ER & IPR funded project entitled “Biofilm and quorum sensing inhibitory phytochemicals for the control of food-borne pathogens in fruits and vegetables” (No. ERIP/ER/201611002/M/01/1672 dated 22/06/2017). Grant amount: Rs. 18,20,000/- (PI – Prof. Ravishankar Rai) – ongoing
4. DST-SERB funded project entiled “Molecular characterization of sperm pro-survival factors in the oviduct of the Indian garden lizard, *Calotes versicolor*” (CRG/ 2018/000439). Grant amount: Rs. 32, 64, 500/- (PI- Dr. Ruth Shantha Kumari) – ongoing.

MEMBERSHIPS

1. Nominated Member American Society of Biochemistry & Molecular Biology since 2005.
2. Member of Society of Biological Chemists, India (Life member).
3. Member of Society of Biological Scientists of India (Life member).

4. Life Member of Indian Science Congress. (L27459)
5. Nominated member of Society for Redox Biology and Medicine, Indianapolis, Indiana 46240, USA (No. 13603).
6. Nominated member to Society for Leukocyte Biology

INVITED TALKS

1. WEBinar presented on α -AGP-1 (alpha-acid glycoprotein-1) "In Search of a Function" to Kaohsiung Medical University, Taiwan on 24-06-2021
2. WEBinar presented on "50 Years Since the Discovery of PAF (Platelet Activating Factor)" to Kaohsiung Medical University, Taiwan on 25-06-2021
3. Talk on "Unravelling the mechanism of female sperm storage in Indian garden lizard" at Dept. of Biochemistry, JSS College for Women, Mysuru on 18th September, 2020. Hosted by Mrs. Chandrakumari.
4. Talk on "Unravelling the mechanism of female sperm storage in Indian garden lizard" at Dept. of Applied Zoology, Kuvempu University, Shankaraghatta on National Science Day Feb. 28th 2020. Hosted by Prof. Nagaraj Venkatesh.
5. Talk on "Secrets of female sperm storage in Indian garden lizard" at MMK & SDM Mahilavidyalaya, Mysore on 22nd Jan 2020. Hosted by Prof. Sainath Malligemadu.
6. Talk on "Shikimic acid pathway" Organized by department of Botany, Mahararani's Science college, Mysore on 4th December 2019. Hosted by Dr. Vijay
7. Talk on "GPCR Signaling" Organized by department of Biochemistry, Mahararani's Science college, Mysore on 21st November 2019. Hosted by Mrs Kavitha.
8. Talk on "My experience with CBCS" organized by KSOU on 19th July 2019. Hosted by Dr. Niranjana, DOS in Microbiology, KSOU, Mysuru.
9. Talk on "Publication made easy: A review on publication ethics" at PRAKALPA organized by Govt. Ayurveda Research Centre, RGUHS, Karnataka and National AYUSH MISSION on 25th June 2019. Hosted by Dr. Laksminarayan shenoy
10. Talk on "Cyclooxygenases" at One day Life Science Lecture Series organized by PBM Mahajana Education Centre Post Graduate Wing on 25th March 2019

11. Resource person for the Refresher course on “Advancements in Bioconservation Relevant to Biotic and Abiotic stress” from 15th Feb – 16th Feb 2019 at Kongunadu Arts and Science College, Coimbatore. Hosted by Dr. J. Karthikeyan
12. Talk on “An intricate interplay of Platelet Activating Factor (PAF) signaling” at 2019 International Symposium on Biosciences for Human Health, Kaohsiung Medical University Taiwan on 29th January 2019. Hosted by Chu-Huang Chen
13. Talks on “An animal model for sepsis” and “Electronegative LDL – Ugliest among the ugly” at Kongunadu Arts and Science College, Coimbatore on 9th January, 2019. Hosted by Dr. J. Karthikeyan.
14. Talk on “An animal model for Sepsis” at South Zone Conference of Association of Clinical Biochemists of India ACBICON 2018 – Recent trends in biochemistry education, diagnostics and research. Department of Biochemistry, Kasturba Medical college – MAHE, Manipal on 8th Dec 2018 (7 and 8 Dec 2018)
15. Talk on “Electronegative LDL – Ugliest among the ugly” at 64th Annual National Conference of Association of Physiologists and Pharmacologists of India APPICON

2018 – Advancing Horizons of Medical Physiology and pharmacology in Research and Teaching. Organized by Department of Physiology and Pharmacology, Melaka and Kasturba Medical college – MAHE, Manipal on 27th Nov 2018

16. Talk on “Platelet activating factor receptor antagonist(s) from *Tylophora asthmatica*” at 39th Annual Conference of Indian Association of Biomedical Scientists Organized by PG Centre, Mangalore University, Jnana Kaveri, Chikka Aluvara Kodagu, Karnataka, India from 15th-17th Nov.2018.
17. Lectures on “Complex biology on a simple lipid” and “Sepsis in search of cure” at Kaohsiung Medical University, Kaohsiung, Taiwan on 9th and 10th July 2018.
18. Lecture on “Secrets of female sperm storage by Indian garden lizard” at JEEVISM, BIOFEST-2018 organized by Govt. Science College, Chitradurga on 12th April 2018.
19. Lecture on “Skills of article writing and publication” at workshop on Research Methodology and Bio-statistics organized by Govt. Ayurveda Research Centre,

KRS road, Mysuru on 12th to 13th March 2018.

20. Lecture on "Does $\alpha - 1 -$ Acid Glycoprotein has a role in Inflammation?" organized by the Dept. of Biochemistry, Mangalore University, Chikka Aluvara on 22nd Sep 2017
21. Lecture on "Environmental carcinogen UVB causes cutaneous inflammation by generating plateletactivating factor (PAF) like phospholipids" at 41st Annual Meeting of Environmental Mutagen Society of India (EMSI) & INTERNATIONAL CONFERENCE on Advances in Cellular, Genomic and Epigenomic Insights on Environmental Mutagenesis and Health, School of Life Sciences, Manipal University, Manipal on 28th January 2017
22. Special Lecture on "Unraveling the Biology of Sperm storage in Indian garden Lizard *Calotes versicolor*" organized by Biochemical Society, Maharani's Science College, Mysore on 19th Sep 2016
23. Special Lecture on "Unraveling the Biology of Sperm storage in Indian garden Lizard *Calotes versicolor*" organized by Society of Biochemical Chemists (I), Madikeri branch, Chikka Aluvara on 17th Sep 2016
24. One day Symposium on "Trends in Reproductive Biology and Antibody based Therapeutics" conducted by Department of Molecular Reproduction and Genetics, Indian Institute of Science, Bengaluru on 19th Aug 2016
25. One day Symposium on LIPIDS on the occasion of Superannuation of Prof. Akhilender Naidu "Biology of an Unusual Phospholipid at CFTRI on 27/05/2016
26. 11th Refresher Course in Life Science on "Newer perspective in Life Science." UGC- Human Resource Centre and Department of Studies in Biotechnology, University of Mysore, Mysuru. 22nd January – 11th February, "Challenges in Sepsis Research."
27. TEQIP sponsored one week faculty development programme on "Recent Trends in Micro and Nano Fluids." Dept of Civil Engineering,PES College of Engineering, Mandya. 2nd – 7th Nov 2015, "Blood: A mysterious fluid."
28. UGC sponsored Two Days National Conference on "Myths and Facts about

Lifestyle diseases- A Practical Perspective.” Dept of Life sciences, St. Philomena’s college, Mysore. 3rd & 4th August 2015, “Placing the Cholesterol in place.”

29. One day State Level Seminar on “Emerging Trends in Microbiology Issues and Challenges”, Dept. of Microbiology, Sahyadri Science College, Kuvempu University. 31st March 2015, “Bacterial toxins as tools in studying disease models”. (Host: Dr. N. Mallikarjuna)
30. 4th National Conference of Society of Biological Scientists of India, Yenepoya University Campus, Mangalore, Karnataka, India. 19th November 2014, “Establishing a New Murine Model of Sepsis”. (Host: Prof. Manjula Shantharam).
31. Dept. of Biochemistry, Mangalore University P.G.Campus, Chikka aluvara, Kushalanagar, Karnataka. 14th October 2014, “Establishing a New Murine Model of Sepsis”. (Host: Prof. Manjula Shantharam).
32. Dept. of Biotechnology, P.G.centre, SDM College, Ujire, Dakshina Kannada, Karnataka. 15th March 2014, “Cholesterol Biosynthesis” & “Cyclooxygenases”. (Host: Dr. B. Yashovarma).
33. Dept. of Biochemistry, Mangalore University P.G.Campus, Kushalanagar, Karnataka. 14th March 2014, “Cyclooxygenases”. (Host: Dr. Chandrashekhar G Joshi).
34. Dept. of Biochemistry, Sahyadri College of Science, Shimoga, Karnataka. 22nd February 2014, “Key note address at the inauguration of UGC-NET-SLET Coaching workshop” (Host: Dr. S. N. Pramodh).
35. Dept of Biotechnology, JSS College for Women, Mysore. 17th February 2014, “Gel filtration Chromatography”. (Host: Smt. Uma)
36. Dept. of Biochemistry, MMK & SDM Mahila Maha Vidyalaya, Mysore. 27th January 2014, “Human Blood Cell Types in Health & Diseases”. (Host: Prof. K. V. Damodara Gowda)
37. Dept. of Biochemistry, The Oxford College of Science, Bangalore. 28th October 2013, “Biology of an unusual phospholipid” (Host: Dr. Sangeetha Roy)
38. Inauguration of Central Lab Facility at Saradavilas College, Mysore. 4th April 2013, “Biology of an unusual phospholipid” (Host: Dr. R. Gururaj)
39. 8th Refresher Course in Life Sciences, UGC – Academic Staff College, University of Mysore, Mysore. 12th & 13th February 2013, “Phytochemicals as therapeutics” &

- “Research Methodology” (Host: Sri K. M. Jayaramaiah).
40. Sri M. S. Devegowda Govt. P. U. College, Koppa, Chikkamagalore, Karnataka. 31st January 2012, “What after PUC???” (Host: Sri Mahesh Kakathkar)
41. One day University level Workshop on Research Methodology, SDM College, Ujire, Dakshina Kannada, Karnataka. 26th January 2013, “Review of Literature & Origin of Research problem” & “Methodology, Results/Data Analysis & Discussion”.
42. International Conference on Recent advances and challenges in Biotechnology – 2012, Dept. of Biotechnology Engineering, NMAM Institute of Technology, Nitte, Udupi, Karnataka, India. 27th to 29th December 2012, “Biology of an unusual phospholipid”.
43. Participated in National Conference on Snakebite Management, 2nd Annual Conference on Toxicological Society of India organized by the Dept. of Biochemistry, University of Mysore, Mysore, from 10th to 12th December 2012.
44. 33rd Annual Conference of Indian Association of Biomedical Scientists, Nitte University, Deralakatte, Mangalore, Karnataka, India. 1st to 3rd November 2012, “Aspirin Resistance”: Fashion, Fiction or Fact?
45. Participated in a Technical seminar on “ATOMS in the service of the NATION”, jointly organized by Institution of Engineers (Mysore centre), Board of Research in Nuclear Studies, Mumbai, Sri Jayachamarajendra College of Engineering, Mysore and Indian Nuclear Society (Mysore Branch). October 13th 2012.
46. MMK & SDM Mahila Maha Vidyalaya, Mysore, Karnataka, India. August 14th 2012, “Biology of a Lipid”. (Host: Prof. K. V. Damodara Gowda)
47. Dept. of Biochemistry, Kaveri campus, Mangalore University, Madikeri, Karnataka, India. April 2nd 2012, “Placing the cholesterol in place”. (Host: Dr. K. C. Pushpalatha)
48. Dept. of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga, Karnataka, India. March 28th and 29th 2012. “LPS as Biochemist’s Bacteria”. (Host: Dr. B. Thippeswamy)
49. Dept. of Biochemistry & Food Technology, Davanagere University, Shivagangotri, Davanagere, Karnataka, India. March 20th & 21st 2012, “Placing the cholesterol in place”. (Host: Prof. Advi Gopal Rao)

50. VGST sponsored faculty development programme at the Dept. of Studies in Botany, University of Mysore, Mysore. March 7th, "Biochemistry of Phytochemicals". (Host: Prof. K.

A. Raveesha)

51. Dept. of Biochemistry & Biotechnology, JSS College, Mysore. 21st October 2011, "Influence of lifestyle changes on lipoproteins". (Host: Dr. Sathish)
52. Dept. of Biochemistry, Teresian College, Mysore. 21st October 2011, "Biochemistry of a (Bioactive) Phospholipid". (Host: Sri. Vinay)
53. Dept. of Biochemistry & Food Technology, Davanagere University, Shivagangotri, Davanagere, Karnataka, India. March 24th & 25th 2011, "Influence of lifestyle changes on lipoproteins". (Host: Prof.B. Madhusudhan)
54. Shridevi Institute of Engineering & Technology, Tumkur, Karnataka, India. 11th March 2011, "Biology of phospholipids". (Host: Dr. Govindappa)
55. Dept. of Biochemistry, Jnanasahyadri, Kuvempu University, Shankaraghatta, Karnataka, India. 3rd to 5th March 2011, "In search of Aspirinase" & "Biology of a Phospholipid". (Host: Dr.Rajeshwar Acchur)
56. Sri SDM college, Ujire "Herbal drug development research: Issues & Opportunities" organized by Central council for research in Ayurveda (AYUSH), New Delhi. 25th & 26th March 2010, "Molecular basis of Inflammation & How to control it?" (Host:Dr. Keshava Hegde)
57. Texas Heart Institute at St. Lukes Hospital, Houston, Texas. October 3, 2009, Making and Breaking PAF, (Host: Dr. C-H. Chen)
58. Oklahoma Medical foundation, Oklahoma, USA, Feb 2, 2008. Making and Breaking Platelet Activating factor (PAF). (Host: Dr. SM.Prescott)
59. Dept of Biochemistry, Pondicherry University, India, 7th March 2008. "Making and Breaking of PAF". (Host: Dr.K.Srikumar)
60. 8th International Conference, Berlin, Germany, October 6-9th, 2004. PAF-acetyl hydrolase and not Paraoxonase-1, is the oxidized phospholipid hydrolase of high density lipoprotein particles. (Host: Dr.Santosh Nigam)

61. Dept. of Medicine, Baylor College of Medicine, Houston, Texas, USA. Atherosclerosis section. Dec 19, 2002. Proinflammatory activities of non-enzymatically formed oxidized phospholipids". (Host: Dr.C-H. Chen)
62. Dept. of Radiobiology, Kasturba Medical College, Manipal, India October 5th 2002. "Paraoxonase" (Host: Drs. Jagetia & R.Kedlaya)
63. Dept. of Dermatology, Indiana University, Indianapolis, USA Feb 13th 2002. (Host; Dr. Jeff Travers)
64. Dept. Biochemistry, University of Mysore, Manasagangotri, Mysore, India, October 12th 2001 "Tale of Oxidized phospholipids" (Host: Society of Biological Chemists, Mysore).
65. Sri SDM college, Ujire, India "Biochemical ways to understand human diseases" October 2001 (Host-Dr. B.Yasovarma)
66. Dept. of Clinical Pharmacology, Vanderbilt University, Nashville, Tennessee, USA 23rd March 2001, 'Tale of Oxidized Phospholipids' (Host Dr.Jackson Roberts 2nd)
67. Dr.Reddys Research Foundation, Hyderabad, India, Oxidized phospholipids, Jan 22nd, 2001 (host – Dr.R.Rajagopalan)
68. Dept. of Gastroenterology, Christian Medical College, Vellore October 11th 2001 "Tale of oxidized phospholipids (Host – Dr.A.S.Balasubramanian)
69. CFTRI, Mysore Tale of oxidized phospholipids" October 2001,CFTRI, (Host:Society of Biological Chemists, Mysore, India)
70. Virtue Biotech Labs, Mysore, India. 'Oxidized phospholipids (Host – R.Vasu)
71. Center for Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore, India, "Oxidized phospholipids" October 1998, January 2001. (Host – Prof.RR Dighe)
72. MGM college, Udupi, India "Platelet Activating Factor" October 1999 (Host – Dr.P.K.Rajagopal).
73. 6th International Congree on PAF, Sept. 21-24, 1998, New Orleans, Louisiana, USA "PAF like proinflammatory lipids in oxidatively modified human LDL". (Host – Prof:Nicolas Bazan).
74. Departmental Seminar, Dept. of Cell Biology, Cleveland Clinic (2004-2007, every once a year). Department of Experimental pathology, University of Utah (1996-2004, every

once a year)

PUBLICATIONS:

Total- 73

International: 68

National: 5

	All	Since 2016
Citations	4228	1254
h-index	34	18
i10-index	43	33

1. Purushothaman K, Bhat SK, Siddappa S, Singh SA, Subbaiah R, Marathe GK, & Rao ARGA. *Aspartic protease-pepstatin A interaction: Structural insights on the thermal inactivation mechanism.* **Biochimie.** (2021). 189: 26-39 – I.F. - **4.079**
2. Sumanth MS, **Marathe GK.** *Effect of acute phase protein, alpha - 1 - acid glycoprotein (AGP-1), on platelet-activating factor (PAF)- induced pro-inflammatory responses.* **Int.J. Life Sci. Pharma Res.** 2020, 10: 97-706
3. Sumanth MS, Jacob SP, Abhilasha KV, Manne BK, Basrur V, Lehoux S, Campbell RA3, Yost CC, McIntyre TM, Cummings RD, Weyrich AS, Rondina, **Marathe GK.** *Different glycoforms of alpha-1-acid glycoprotein contribute to its functional alterations in platelets and neutrophils.* **J. Leukoc. Biol.** 2020. <https://doi.org/10.1002/JLB.3A0720-422R> I.F. – **3.757.**
4. Shiva S. **Marathe GK.** *What we know about plant arginases?* **Plant Physiol. Biochem.** 2020. 156: 600-610. I.F. – **3.8**
5. Abhilasha KV, Sumanth MS, Thyagarajan A, Sahu RP, Kemparaju K, **Marathe GK.** *Reversible cross-tolerance to platelet-activating factor signaling by bacterial toxins.* **Platelets.** 2020. <https://doi.org/10.1080/09537104.2020.1810652> I.F. – **3.378**
6. **Marathe GK**, Chaithra VH, Ke LY, Chen CH. *Effect of acyl and alkyl analogs of platelet-activating factor on inflammatory signaling.* **Prostaglandins Other Lipid Mediat.**

2020 151:106478. – I.F. – 2.283

7. Siddappa S, Assefa SS, Nuthan BR, **Marathe GK**. *Partial Purification and Biochemical Characterization of Horse Gram Arginase*. **Int. J. Life Sci. Pharma Res.** 2021, 11: 68-78
8. Abhilasha KV, Sumanth MS, Chaithra VH, Jacob SP, Thyagarajan A, Sahu RP, Rajaiah R, Prabhu KS, Kemparaju K, Travers JB, Chen CH, **Marathe GK**. *p38 MAP-kinase inhibitor protects against platelet-activating factor-induced death in mice*. **Free Radic Biol Med.** 2019, 143:275-287 – I.F. – 5.657
9. Kavya P, Bhat SK, Singh SA, **Marathe GK** and Appu Rao AG. *Aspartic protease from Aspergillus niger: Molecular characterization and interaction with pepstatin A*. **Int J Biol Macromol.** 2019, 139:199-212 – I.F. – 4.78
10. Sumanth MS, Abhilasha KV, Jacob SP, Chaithra VH, Basrur V, Willard B, McIntyre TM, Prabhu KS, **Marathe GK**. *Acute phase protein, α - 1- acid glycoprotein (AGP-1), has differential effects on TLR-2 and TLR-4 mediated responses*. **Immunobiology**. 2019, 224:672-680 – I.F. – 2.78
11. Kavya P, Bhat SK, Siddappa S, Appu Rao AG, Kadappu KK and **Marathe GK**. *When to avoid dialysis during protein purification?* **Adv Ind Biotechnol.** 2019, 2: 009
12. Law SH, Chan ML, Marathe GK, Parveen F, Chen CH, Ke LY. *An Updated Review of Lysophosphatidylcholine Metabolism in Human Diseases*. **Int J Mol Sci.** 2019 Mar 6;20(5). pii: E1149. doi: 10.3390/ijms20051149 – I.F. – 4.183
13. Chaithra VH, Jacob SP, Lakshmikanth CL, Sumanth MS, Abhilasha KV, Chen CH, Thyagarajan A, Sahu RP, Travers JB, McIntyre TM, Kemparaju K, Marathe GK. *Modulation of inflammatory platelet-activating factor (PAF) receptor by the acyl analog of PAF*. **J Lipid Res**; 2018. 59: 2063-2074. – I.F. – 4.8
14. Siddappa S, Basrur V, Ravishankar Rai V, **Marathe GK**. *Biochemical and functional characterization of an atypical plant l-arginase from Cilantro (Coriandrum sativum L.)*. **Int J Biol Macromol.** 2018. 118 :844-856. – I.F. – 4.78

15. Jacob SP, Lakshmikanth CL, McIntyre TM, and **Marathe GK**. *Platelet-activating factor and oxidized phosphatidylcholines do not suppress endotoxin-induced pro-inflammatory signaling among human myeloid and endothelial cells*. **AIMS Allergy and Immunology** 2017, 1(3), 108-123.
16. Shankar G, Shubhashree U, Adiga S, Willard B, Sagar BK, Kumari TR and **Marathe GK**. *Proteinaceous sperm motility inhibitory factor from the female Indian garden lizard, Calotes versicolor*. **Reprod. Fertil. Dev.** 2018, 30(5): 744-751 – I.F-2.135
17. Lakshmikanth CL, Jacob SP, Kudva AK, Latchoumycandane C, Yashaswini PS, Sumanth MS, Goncalves-de-Albuquerque CF, Silva AR, Singh SA, Castro-Faria-Neto HC, Prabhu SK, McIntyre TM and **Marathe GK**. *Escherichia coli* Braun Lipoprotein (BLP) exhibits endotoxemia - like pathology in Swiss albino mice. **Sci. Rep.** 2016, 6, 34666; doi: 10.1038/srep34666. – I.F-4.259
18. Ke LY, Chan HC, Chen CC, Lu J, **Marathe GK**, Chu CS, Chan HC, Wang CY, Tung YC, McIntyre TM, Yen JH, and Chen CH. *Enhanced Sphingomyelinase Activity Contributes to the Apoptotic Capacity of Electronegative Low-Density Lipoprotein*. **J Med Chem.** 2016, 59 (3), 1032-1040 – I.F-5.447
19. Jacob SP, Lakshmikanth CL, Chaithra VH, Kumari TR, Chen CH, McIntyre TM and **Marathe GK**. *Lipopolysaccharide (LPS) cross-tolerance delays Platelet Activating Factor (PAF)-induced sudden death in Swiss albino mice: Involvement of Cyclooxygenase in cross-tolerance*. **PLoS One**. 2016, DOI:10.1371/journal.pone.0153282 – I.F-3.057
20. Lakshmikanth CL, Jacob SP, Chaithra VH, Castro-Faria-Neto HC and **Marathe GK**. *Sepsis – In search of cure*. **Inflam Res** – 2016, 65: 587 - 602 (Review). – I.F-2.143
21. **Marathe GK** and McIntyre TM. *PAF is a potent pyrogen and cryogen in rodents but it does not mediate thermoregulatory responses of bacterial endotoxin*. **Temperature**. 2015. 2, 449 – 450
22. Lakshmikanth CL, Jacob SP, Divya A, Appu Rao AG, **Marathe GK**. *Interference of*

phenol during quantification of a bacterial lipoprotein. **Biokemistri.** 2015, 27(3), 123- 128.

23. Shankar G, Sagar BK, Kumari TR, **Marathe GK.** *Ultrastructural Features of Sperm Storage Tubules in the Oviduct of the Indian Garden Lizard, Calotes Versicolor.* Anat Rec (Hoboken). 2015, 298, 1932 - 1938. – I.F-1.542
24. Jadimurthy R, **Marathe GK**, Devaki NS. *Effect of ergosterol and arecanut husk extracts on Phytophthora arecae, the causal organism of Koleroga of Arecanut.* **Acta Biologica Indica.** 2014 3: 617-619
25. **Marathe GK**, Pandit C, Lakshmikanth CL, Chaithra VH, Jacob SP, D'souza CJM. *To hydrolyse or not to hydrolyse: dilemma of platelet activating factor acetylhydrolase (PAF-AH).* J Lipid Res. 2014 Sep;55(9):1847-54. – I.F-5.559
26. Zhou G, **Marathe GK**, Hartiala J, Hazen SL, Allayee H, Tang WH, McIntyre TM. *Aspirin Hydrolysis in Plasma is a Variable Function of Butyrylcholinesterase and PAF Acetylhydrolase 1b2.* **J Biol Chem.** 2013 Apr 26;288(17):11940-8. – I.F-4.573
27. Sunitha K, Suresh P, Santhosh MS, Hemshekhar M, Thushara RM, **Marathe GK**, Thirunavukkarasu C, Kemparaju K, Kumar MS, Girish KS. *Inhibition of hyaluronidase by N-acetyl cysteine and glutathione: role of thiol group in hyaluronan protection.* **Int J Biol Macromol.** 2013 Apr; 55:39-46. – I.F-3.096
28. Latchoumycandane C, **Marathe GK**, Zhang R, McIntyre TM. *Oxidatively truncated phospholipids are required agents of TNF α induced apoptosis.* **J Biol Chem.** 2012 May 18;287(21): 17693-705. – I.F-4.573
29. Zhou G, **Marathe GK**, Willard B, McIntyre TM. *Intracellular Erythrocyte PAF Acetylhydrolase 1 Inactivates Aspirin in Blood.* **J Biol Chem.** 2011 Aug 15. 2011 Oct 7;286(40):34820-9. – I.F-4.573

- 30.** Liu J, Chen R, **Marathe GK**, Febbraio M, Zou W, McIntyre TM. *Circulating platelet-activating factor is primarily cleared by transport, not intravascular hydrolysis by lipoprotein-associated phospholipase A2/ PAF acetylhydrolase*. **Circ Res**. 2011 Feb 18; 108(4):469-77. – I.F- 11.019
- 31.** Sathisha KR, Khanum SA, Chandra JN, Ayisha F, Balaji S, **Marathe GK**, Gopal S, Rangappa KS. *Synthesis and xanthine oxidase inhibitory activity of 7-methyl-2-(phenoxyethyl)-5H-[1,3,4] thiadiazolo[3,2-a]pyrimidin-5-one derivatives*. **Bioorg Med Chem**. 2011 Jan 1;19(1):211-20. – I.F- 2.793
- 32.** Foulks JM, **Marathe GK**, Michetti N, Stafforini DM, Zimmerman GA, McIntyre TM, Weyrich AS. *PAF-acetylhydrolase expressed during megakaryocyte differentiation inactivates PAF-like lipids*. **Blood**. 2009 Jun 25;113(26):6699-706 – I.F- 11.841
- 33.** Yao Y, Wolverton JE, Zhang Q, **Marathe GK**, Al-Hassani M, Konger RL, Travers JB. *Ultraviolet B radiation generated platelet-activating factor receptor agonist formation involve EGF-R-mediated reactive oxygen species*. **J Immunol**. 2009 Mar 1;182(5):2842-8. – I.F- 4.92
- 34.** Pavel N.Shashkin, G.T.Brown., Arundhati Ghosh., **Marathe GK**, McIntyre TM. *Lipopolysaccharide is a direct agonist for platelet RNA splicing*. **J Immunol**. 2008 Sep 1;181(5):3495-502 – I.F- 4.92
- 35.** Konger RL, **Marathe GK**, Yao Y, Zhang Q, Travers JB. *Oxidized glycerophosphocholines as biologically active mediators for ultraviolet radiation-mediated effects*. **Prostaglandins Other Lipid Mediat**. 2008 May 2. – I.F- 2.905
- 36.** Chen J, Yang L, Foulks JM, Weyrich AS, **Marathe GK**, McIntyre TM. *Intracellular PAF catabolism by PAF acetylhydrolase counteracts continual PAF synthesis*. **J Lipid Res**. 2007 Nov;48(11):2365-76. – I.F- 5.559

- 37.** Kriska T, **Marathe GK**, Schmidt JC, McIntyre TM, Girotti AW. *Phospholipase action of platelet-activating factor acetylhydrolase, but not paraoxonase-1, on long fatty acyl chain phospholipid hydroperoxides*. **J Biol Chem.** 2007 Jan 5;282(1):100-8. – I.F-4.573
- 38.** Vasques E, Almeida ALF, Noya V, D'Alegria B, **Marathe GK**, McIntyre TM, Tibiriçá E, Bozza PT, Silva AR, Castro-Faria-Neto HC. *Impairment of endothelium-dependent aorta relaxation by phospholipid components of oxidized low-density lipoprotein*. **Endothelium.** 2006 13: 1-8. – I.F- 1.9
- 39.** **Marathe GK**, Johnson C, Billings SD, Southall MD, Pei Y, Spandau D, Murphy RC, Zimmerman GA, McIntyre TM, Travers JB. *Ultraviolet B radiation generates platelet-activating factor-like phospholipids underlying cutaneous damage*. **J Biol Chem.** 2005 Oct 21;280(42):35448-57. – I.F-4.573
- 40.** Weyrich AS, Denis MM, Kuhlmann-Eyre JR, Spencer ED, Dixon DA, **Marathe GK**, McIntyre TM, Zimmerman GA, Prescott SM. *Dipyridamole selectively inhibits inflammatory gene expression in platelet-monocyte aggregates*. **Circulation.** 2005 Feb 8;111(5):633-42. – I.F- 14.43
- 41.** Yost CC, Denis MM, Lindemann S, Rubner FJ, **Marathe GK**, Buerke M, McIntyre TM, Weyrich AS, Zimmerman GA. *Activated polymorphonuclear leukocytes rapidly synthesize retinoic acid receptor-alpha: a mechanism for translational control of transcriptional events*. **J Exp Med.** 2004 Sep 6;200(5):671-80. – I.F- 11.24
- 42.** Zhang C, Baker DL, Yasuda S, Makarova N, Balazs L, Johnson LR, **Marathe GK**, McIntyre TM, Xu Y, Prestwich GD, Byun HS, Bittman R, Tigyi G. *Lysophosphatidic acid induces neointima formation through PPARgamma activation*. **J Exp Med.** 2004 Mar 15;199(6):763- 74. – I.F- 11.24
- 43.** de Assis EF, Silva AR, Caiado LF, **Marathe GK**, Zimmerman GA, Prescott SM, McIntyre

TM, Bozza PT, de Castro-Faria-Neto HC. *Synergism between platelet- activating factor-like phospholipids and peroxisome proliferator-activated receptor gamma agonists generated*

during low density lipoprotein oxidation that induces lipid body formation in leukocytes. **J Immunol.** 2003 Aug 15;171(4):2090-8. – I.F- 4.92

- 44.** Watanabe J, **Marathe GK**, Neilsen PO, Weyrich AS, Harrison KA, Murphy RC, Zimmerman GA, McIntyre TM. *Endotoxins stimulate neutrophil adhesion followed by synthesis and release of platelet-activating factor in microparticles.* **J Biol Chem.** 2003 Aug 29;278(35):33161-8. – I.F- 4.573
- 45.** Chen CH, Jiang T, Yang JH, Jiang W, Lu J, **Marathe GK**, Pownall HJ, Ballantyne CM, McIntyre TM, Henry PD, Yang CY. *Low-density lipoprotein in hypercholesterolemic human plasma induces vascular endothelial cell apoptosis by inhibiting fibroblast growth factor 2 transcription.* **Circulation.** 2003 Apr 29;107(16):2102-8. – I.F- 14.43
- 46.** **Marathe GK**, Zimmerman GA, McIntyre TM. *Platelet-activating factor acetylhydrolase, and not paraoxonase-1, is the oxidized phospholipid hydrolase of high density lipoprotein particles.* **J Biol Chem.** 2003 Feb 7;278(6):3937-47. – I.F- 4.573
- 47.** **Marathe GK**, Zimmerman GA, Prescott SM, McIntyre TM. *Activation of vascular cells by PAF-like lipids in oxidized LDL.* **Vascul Pharmacol.** 2002 Apr;38(4):193-200. – I.F- 3.635
- 48.** Albertine KH, Wang L, Watanabe S, **Marathe GK**, Zimmerman GA, McIntyre TM. *Temporal correlation of measurements of airway hyperresponsiveness in ovalbumin-sensitized mice.* **Am J Physiol Lung Cell Mol Physiol.** 2002 Jul;283(1):L219-33. – I.F- 4.721
- 49.** Silva AR, de Assis EF, Caiado LF, **Marathe GK**, Bozza MT, McIntyre TM, Zimmerman GA, Prescott SM, Bozza PT, Castro-Faria-Neto HC. *Monocyte chemoattractant protein-1 and*

5-lipoxygenase products recruit leukocytes in response to platelet-activating factor-like lipids in oxidized low-density lipoprotein. **J Immunol.** 2002 Apr 15;168(8):4112-20. – I.F- 4.92

- 50.** Pontsler AV, St Hilaire A, **Marathe GK**, Zimmerman GA, McIntyre TM. *Cyclooxygenase-2 is induced in monocytes by peroxisome proliferator activated receptor gamma and oxidized alkyl phospholipids from oxidized low density lipoprotein.* **J Biol Chem.** 2002 Apr 12;277(15):13029-36 – I.F- 4.573
- 51.** **Marathe GK**, Prescott SM, Zimmerman GA, McIntyre TM. *Oxidized LDL contains inflammatory PAF-like phospholipids.* **Trends Cardiovasc Med.** 2001 Apr-May;11(3-4):139-42. Review. – I.F- 2.906
- 52.** **Marathe GK**, Silva AR, de Castro Faria Neto HC, Tjoelker LW, Prescott SM, Zimmerman GA, McIntyre TM. *Lysophosphatidylcholine and lyso-PAF display PAF-like activity derived from contaminating phospholipids.* **J Lipid Res.** 2001 Sep;42(9):1430-7. – I.F- 5.559
- 53.** **Marathe GK**, Harrison KA, Roberts LJ 2nd, Morrow JD, Murphy RC, Tjoelker LW, Prescott SM, Zimmerman GA, McIntyre TM. *Identification of platelet-activating factor as the inflammatory lipid mediator in CCl4-metabolizing rat liver.* **J Lipid Res.** 2001 Apr;42(4):587-96 – I.F- 5.559
- 54.** Davies SS, Pontsler AV, **Marathe GK**, Harrison KA, Murphy RC, Hinshaw JC, Prestwich GD, Hilaire AS, Prescott SM, Zimmerman GA, McIntyre TM. *Oxidized alkyl phospholipids are specific, high affinity peroxisome proliferator- activated receptor gamma ligands and agonists.* **J Biol Chem.** 2001 May 11;276(19):16015-23. – I.F- 4.573
- 55.** **Marathe GK**, Harrison KA, Murphy RC, Prescott SM, Zimmerman GA, McIntyre TM. *Bioactive phospholipid oxidation products.* **Free Radic BiolMed.** 2000 Jun 15;28(12):1762-70. Review. – I.F- 5.736

- 56.** Harrison KA, Davies SS, **Marathe GK**, McIntyre T, Prescott S, Reddy KM, Falck JR, Murphy RC. *Analysis of oxidized glycerophosphocholine lipids using electrospray ionization mass spectrometry and microderivatization techniques*. **J Mass Spectrom.** 2000 Feb;35(2):224-36. – I.F- 2.379
- 57.** **Marathe GK**, Davies SS, Harrison KA, Silva AR, Murphy RC, Castro-Faria-Neto H, Prescott SM, Zimmerman GA, McIntyre TM. *Inflammatory platelet-activating factor-like phospholipids in oxidized low density lipoproteins are fragmented alkyl phosphatidylcholines*. **J Biol Chem.** 1999 Oct 1;274(40):28395-404. – I.F- 4.573
- 58.** **Marathe GK**, Yousufzai SY, Abdel-Latif AA. *Mediation by prostaglandins of the stimulatory effect of substance P on cyclic AMP production in dog iris sphincter smooth muscle*. **Biochem Pharmacol.** 1996 Oct 25;52(8):1261-9. – I.F- 5.009
- 59.** Shetty J, **Marathe GK**, Dighe RR. *Specific immunoneutralization of FSH leads to apoptotic cell death of the pachytene spermatocytes and spermatogonial cells in the rat*. **Endocrinology**. 1996 May;137(5):2179-82. – I.F- 4.159
- 60.** Shetty, J., **Marathe, G. K.**, Ramaswamy, S. & Dighe, R. R. (1996). *Pituitary gonadotropins regulate spermatogonial differentiation and proliferation in the rat*. **Journal of Biosciences** 21, 81-92. – I.F- 2.064
- 61.** **Marathe GK**, Shetty J, Dighe RR *Selective immunoneutralization of luteinizing hormone results in the apoptotic cell death of pachytene spermatocytes and spermatids in the rat testis*. **Endocrine**, 1995, 3. 705 709. – I.F- 3.878
- 62.** **Marathe GK**, D'Souza CJM. *Production of oxygen free radicals by Ehrlich Ascites tumour cells:Effect of Lipids*. **Mediators of Inflammation**, 2, 53-57, 1993. – I.F- 2.417
- 63.** Achar, BN., Keshavayya, J., Gowda, PSB., Shankar Bhat, S., **Marathe, GK.**, and Cletus

J.M.D'Souza. *Biological activity and Staining property of metal phthalocyanine derivatives*. **Proc.Indian Natn.Sci, Acad**, B58, 141-146, 1992 – I.F- 0.390

64. Marathe GK, Krishnakantha TP, D'Souza CJ. *PAF-acether in AK-5 tumour cells*. **Cell Biol Int Rep**. 1991 Jan;15(1):85-90. – I.F- 1.663

65. Marathe, GK. And D'Souza, CJM. *Platelet-activating factor (PAF)- a phospholipids with diverse biological functions*. **Journal of Mysore University**, Vol 32, 239-242, 1001-92

66. Marathe GK, Krishnakanta TP, D'Souza CJ. *PAF-acether (PAF) in Ehrlich ascites tumour cells*. **J Lipid Mediat**. 1990 Sep-Oct;2(5):257-62. – I.F- 2.905

Book chapters

1. **Marathe GK**, Jacob SP, Sumanth MS, Lakshmikanth CL, Abhilash KV and Chaithra VH. Pafah in “Encyclopedia of Signalling Molecules 2” Sundon Choi Editor, Springer Publications, 2017, Pages 4069-4077
2. McIntyre, TM; **Marathe, GK**; Zimmerman GA; and Prescott SM. Oxygen metabolites and vascular damage, in “Inflammatory diseases of blood vessels” Garrys Hoffman editor, Page 83-96, 2001.
3. Thomas M.McIntyre, Fred Snyder., and Marathe, GK. Ether-linked lipids and their bioactive species. In Biochemistry of lipids, Lipoproteins and Membranes, D.E.Vance and J.E. Vance Editor, Elsevier Press, 2008.

Articles in popular Magazine/ Journal

- 1 Article on “Mutrashmari (“ମୁତ୍ରଶମ୍ରି”) Taranga (ତରଙ୍ଗା), 19th November 1989, page57.
- 2 Article on “OXYTOCIN – AN OLD HORMONE WITH A NEW ROLE IN LOVE AND TRUST”, **SHODHA** January 2011, Experimental Periodical – 3, page 88.
- 3 Article on “A PRELIMINARY STUDY ON THE PREFERENCE OF BEDDING MATERIAL

IN LABORATORY MICE”, SHODHA, July 2011, Vol-1 No.-1, page 88.

4. Article on “(સગરેંજ એજાન્ડ એયર્સ આઇએટ્યુન્ટ્ઝ એપી)”, Taranga (વાગ્યાનુષ્ઠાન), 8th November 2012,,page 4.

Posters Presented at National/international symposia

National Symposia: Marathe, GK and D’Souza CJM. Partial chemical synthesis of Platelet activating factor (PAF). 55th Annual meeting of Society of Biological Chemists, Tirupati, India 1987

1. Marathe, GK and D’Souza, CJM. *Elhrich Ascites tumor cells do produce PAF*. 56th Annual Meeting of Society of Biological Chemists, New Delhi, India, 1988.
2. Marathe, GK and D’Souza, CJM. *Platelet Activating Factor: A potent ether lipid*. Colloquim. Lipids and Cellular functions- Progress and Prospects. Indian Institute of Science, Bangalore, India, July 20-21, 1989.
3. Lakshmikanth CL, Shancy Petsel Jacob, Chaithra VH, Gopal Marathe K. *Establishing a Murine Model of Sepsis*. National Conference on Driving Stem Cell Research Towards Therapy-A Vision of the Future, Mysore, March 20-21, 2014
4. Shancy Petsel Jacob, Lakshmikanth CL, Chaithra VH, Gopal Marathe K. *Platelet Activating Factor (PAF) causes sudden death with endotoxemia-like symptoms in Swiss albino mice*. National Conference on Driving Stem Cell Research Towards Therapy-A Vision of the Future, Mysore, March 20-21, 2014
5. Shancy Petsel Jacob, Lakshmikanth CL, Chaithra VH, Gopal Marathe K. *Platelet Activating Factor (PAF) causes sudden death with endotoxemia-like symptoms in Swiss albino mice. Recent Trends in Bioorganic Chemistry and its Application to Society*, Sept 26-27, 2014.
6. Lakshmikanth CL, Shancy Petsel Jacob, Chaithra VH, Gopal Marathe K. *E. Coli Braun Lipoprotein (BLP) in the Pathogenesis of Sepsis. Recent Trends in Bioorganic Chemistry and its Application to Society*, Sept 26-27, 2014
7. Dr. Gopal Marathe K and Lakshmikanth C.L. *Establishing a New Murine Model of Sepsis*. 4th National Conference, SOBSICON, Yenepoya University, Nov 17-20,

2014.

8. Shiva Siddappa and **Gopal Marathe K**, Plant arginase: its role during abiotic stress. **Trends in Bioactive natural products and health care (BNPHC 2017)**, DOS in Biochemistry, Mangalore University, Post GraduateCentre, Chikka Aluvara, Kodagu. October 6th & 7th 2017.
9. Chaithra VH and **Gopal Marathe K**, Platelet activating factor receptor antagonist(s) from *Tylophora asthmatica*. **Trends in Bioactive natural products and health care (BNPHC 2017)**, DOS in Biochemistry, Mangalore University, Post Graduate Centre, Chikka Aluvara, Kodagu. October 6th & 7th 2017.
10. Abhilasha KV and Gopal Marathe K. *p38 MAP-kinase inhibitor protects against platelet-activating factor-induced death in mice*. 88th annual meeting of SBCI and conference on Advances at the interface of biology and chemistry, BARC, Mumbai, India during October 31-November 3, 2019.

International symposia:

1. Shetty,J. **Marathe, GK.**, and Dighe RR. *Pituitary gonadotropins regulate spermatogonial proliferation and prevent apoptotic cell death of the testicular germ cells*.**International Union of Biochemistry and Molecular Biology Congress**, New Delhi, India, September, 1994
2. **Marathe, GK.**, Yousufzai,SYK., and Abdel-Latif, AA. *Prostaglandins mediate the stimulatory effect of substance P on cAMP production in dog iris sphincter muscle*. **Association for Research in Vision and Ophthalmology (ARVO) meeting**. Fort Lauderdale, FL.USA. April 1996.
3. Abdel-Latif, AA., Yousufzai, SYK., Ding, KH., **Marathe, GK.**, and Ye, Z. *Endothelin and substance P, Phospholipases and generation of second messengers in iris sphincter and cat iris sphincter smooth muscle cells*. **XII International congress of Eye research**, Yokohama, Japan. Sept 29thOcto 4, 1996.
4. **Marathe, GK.**, Davies,S., Prescott SM., and McIntyre TM. *PAF-like phospholipids*

in oxidatively modified human LDL. **Gordon Research Conference.** Meriden, New Hampshire, USA June 22-29, 1997

5. McIntyre, TM., Davies, S., **Marathe, GK.**, Zimmerman, GA., and Prescott SM. *Inflammatory mediators:early events in atherogenesis.* **4th Annual Meeting of Oxygen Society**, San Francisco, CA. USA., November 20-24, 1997.
6. Davies, SS., **Marathe, GK.**, Ponstler, AV., Prescott, SM., Zimmerman, GA and McIntyre, TM. *Oxidized LDL lipids induce cytokines via PPAR gamma.* **Vascular biology, 98 (American heart Association)**. San Francisco, CA, USA.. April 15-18. 1998.
7. Kutchera, WA.,**Marathe, GK.**, Qu,K., Zimmerman, GA., McIntyre, TM., and Prescott,SM. *Phospholipids derived from oxidized LDL induce COX-2 in human vascular smooth muscle cells via MAP kinase activation.* **6th International PAF congress**, New Orleans, LA, USA. Sept 20-24, 1998.
8. **Marathe,GK.**, D'Souza,CJM., Zimmerman,GA., Prescott,SM., McIntyre,TM. *Lyo PAF and lyso PC are not calcium mobilizing stimuli for the PAF receptor.* **6th International PAF congress**, New Orleans, LA, USA. Sept 20-24, 1998
9. Sean Davies, Aaron Pontsler, **Gopal Marathe**, Andy S. Weyrich, Stephen M. Prescott, Guy A. Zimmerman, Thomas M. McIntyre. Oxidized phospholipids induce monocyte chemotactic protein-1 via peroxisomal proliferation activated receptors. At 6th International Congress on Platelet Activating Factor and Related Lipid Mediators, New Orleans, Louisiana, Sept 21-24, 1998.
10. McIntyre,TM., Davies,SS., **Marathe,GK.**, Prescott,SM., and Zimmerman,GA. *Oxidized phospholipids as PPAR gamma agonists in inflammation.* **KeyStone symposium**, CO, USA. April 1-7, 1999.
11. McIntyre,TM., **Marathe,GK.**, Davies,SS., Ponstler,A., Hilaire,A., Zimmerman,GA., and Prescott,SM. *Oxidized phospholipids stimulate monocyte MCP-1 synthesis via PPAR-gamma.* **KeyStone symposium**, Taos, New Mexico,USA.Feb 5-10,2000.
12. McIntyre,TM., **Marathe,GK.**, Davies,SS., Prescott,SM and Zimmerman,GA. *Oxidatively generated ligands for PPAR and PPAR-gamma receptors.* **American**

Society for Biochemistry and Molecular Biology, Boston, Massachusetts. June 4-8,2000.

13. **Marathe GK**, Harrison KA, Roberts LJ 2nd, Morrow JD, Murphy RC, Tjoelker LW, Prescott SM, Zimmerman GA, McIntyre TM. *Platelet-activating factor as the inflammatory lipid in CCl₄-induced rat liver damage*. **7th Annual meeting of the Oxygen Society**, San Diego, CA, USA. Nov 16-20, 2000.
14. **Marathe,GK.**, Pontsler,A., Harrison,KA., Murphy,RC., Zimmerman,GA., Prescott,SM and McIntyre,TM. *Oxidized phospholipids as PPAR-gamma ligands*. **7th Annual meeting of the Oxygen Society**. San Diego, CA, USA. Nov 16-20, 2000.
15. **Marathe,GK.**, Harrison,KH., Murphy,RC., Travers,JB., Zimmerman,GA., Prescott,SM., and McIntyre,TM. *Characterization of PAF-like lipids*. **7th International Congress on PAF and lipid mediators**. Waseda University, Tokyo, Japan. Sept 24-27, 2001.
16. J Watanabe, **G Marathe**, P Neilson, GA Zimmerman, and TM McIntyre. *Generation Of PAF-Like Activities In Response To Endotoxins By Human Neutrophils*. At **7th International Congress on PAF and lipid mediators**. Waseda University, Tokyo, Japan. Sept 24-27, 2001.
17. McIntyre,TM., Pontsler,AV., Hilaire,AS., **Marathe,GK.**, Zimmerman,GA. *Cyclooxygenase-2 is induced in monocytes by PPAR-gamma and oxidized alkyl phospholipids from oxidized LDL*. **3rd Annual Conference on Arteriosclerosis, Thrombosis and Vascular Biology**. Salt lake City, Utah, USA. April 6-8, 2002
18. **Dr. Gopal Marathe K.** *Biology of unusual Phospholipid*, **International Conference on Recent Advances and Challengesin Biotechnology**, Dept. of Biotechnology Engineering, NMAM Institute of Technology, Nitte, Udupi. Dec 27-29, 2012.
19. Goutham Shankar, **Gopal K Marathe**, T Ruth ShanthaKumari, and BK ChandrashekharSagar. *Distinctive Characteristics of Sperm Storage Tubules in the Oviduct of Indian Garden Lizard, Calotesversicolor*. **International Conference on Bioactive Chemicals for Reproduction and Human Health**, Davanagere University, Davanagere. Feb 26-28, 2015.

20. Sumanth Mosale Seetharam and **Gopal K Marathe**. *Role of $\alpha - 1 -$ Acid Glycoprotein in Inflammation (Poster)*. **Keystone Symposia on Cell Death and Inflammation**, Dublin, Ireland. May 29 – June 2, 2017
21. Shiva S and **Gopal Marathe K**. *Biochemical and Functional Characterization of Arginase from Coriandrum sativum(Poster)*. **Third international Conference on Bioresource and Stress Management**, Jaipur, India during 8-11 November-2017
22. Abhilasha KV and Gopal Marathe K. *p38 MAP-kinase inhibitor protects against platelet-activating factor-induced death in mice (Oral)*. **17th annual meeting of the society for Free Radical Research-India and conference on “Role and management of oxidative stress in human disease”**, BARC, Mumbai, India during February 12-15, 2020.

