BIODATA

Name : DR. REKHA P S

Designation : Assistant Professor

Department : Botany

Address : Palakkal House, Thazhekkad,

Kallettumkara P O, Thrissur, Kerala,680 683

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Academic Qualification : M.Sc. Botany, Ph.D in Biochemistry(Botany)

Experience:

• Teaching : 14 years teaching experience (Since 2008)

• Research : 10 years research experience in Biochemistry

(Botany) from 1997to 2007

Area of Interest/ specialisation : Plant Physiology & Biochemistry, Plant Anatomy

Area of Research : Photochemistry and Cancer Biochemistry

Major/Minor Research Projects : Nil

Responsibilities Undertaken (Official) : NSS Programme Officer, Returning Officer of

College Union Election 2013 – 14.

Seminars Organised/ Invited Lectures : One(World Wetland day-2019)

Publications (10)

INTERNATIONAL JOURNALS

- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Effect of Brahma Rasayana on antioxidant systems and cytokine levels in mice during cyclophosphamide administration. *Journal of Experimental and Clinical Cancer Research*, 20, 2, 219 223, 2001.
- ❖ V.Ramnath, P.S. Rekha, G.Kuttan and R.Kuttan. Regulation of Caspase-3 and Bcl-2 Expression in Dalton's Lymphoma Ascites (DLA) Cells by Abrin. *Evidence Based Complementary and Alternative Medicine*. 1-6, doi:10.1093/ecam/nem099, November1, 2007.



❖ V.Ramnath, **P.S.Rekha**and K.S.Sujatha. Amelioration of heat stress induced disturbances of antioxidant defence system in chicken by Brahma Rasayana. *Evidence Based Complementary and Alternative Medicine*, 5: 77 – 84, March 2008.

NATIONAL JOURNALS

- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Effect of herbal preparation, Brahma Rasayana, in amelioration of radiation induced damage. *Indian Journal of Experimental Biology*, Vol. 38, 999 1002, 2000.
- P.S.Rekha, G.Kuttan and R. Kuttan. Antioxidant activity of Brahma Rasayana. *Indian Journal of Experimental Biology*, Vol. 39, 447-452, 2001.
- ❖ P.S.Rekha, G.Kuttan and R.Kuttan. Effect of Brahma Rasayana on antioxidant system after radiation. *Indian Journal of Experimental Biology*, Vol. 39, 1173 −1175, 2001.
- V.Ramnath, P.S. Rekhaand K.R. Mejo. Effect of an Ayurvedic supplementation (BR) in heat stressed chickens on certain haematological and biochemical variables. *The Indian Journal* of Animal Sciences, 77 (2):152-162, 2007.
- ❖ V.Ramnath, C.C.Lini and **P.S. Rekha.** Storage stability of certain enzymes of chicken (*Gallus domesticus*). *Indian Journal of Animal Sciences*. 78(12):1384-1386, 2008.
- V.Ramnath, C.C.Lini and P.S. Rekha. Storage stability of certain enzymes of rats. The Indian Veterinary Journal. 86: 463-465, 2009.
- ❖ V.Ramnathand **P.S. Rekha.** Brahma Rasayana enhances *in vivo* antioxidant status in cold stressed chickens. *Indian Journal of Pharmacology*. 41(3): 115-119, 2009

Paper Presentations (Number) : Six Seminars Attended: International(No) : Four

National : Eight

State level : Two

Books Published (Title with page No, book title, editor and publisher ISSN/ISBN no.whether peer reviewed no. of co-authors) : Nil

Articles Published in Magazines (Title with page Noeditor and publisher ISSN/ISBN no.whether peer reviewed no. of co-authors)

- ❖ P.S.Rekha.Preliminary Phytochemical Screening Analysis on Jackfruit Seeds of Moraceae family. Published in *EDU-VISION 2017*, NSS College, Nemmara, Palakkad ISBN 978-93-85105-72-2., pp 25 to 29.
- ❖ P.S.Rekha. Phyto-morphological and Pollen Viability Analysis *Tecoma stans* (L.)Juss, ex Humb., Bonpl. & Kunth. Of Bignoniaceae Family. Published in *Vimala International Research Journal for Pure and Applied Science* ISSN 2347-3835., Vol : III, Issue : I (September -2017) pp 26 to 36.
- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Antioxidant and Anti-inflammatory activity of Brahma Rasayana. Amala Research Bulletin, Vol.17, 68 − 72, 1997.

- ❖ P.S.Rekha, G.Kuttan and R.Kuttan. Immunopotentiating activity of Brahma Rasayana. Amala Research Bulletin, Vol.18, 85 − 90, 1998.
- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Antioxidant and anticlastogenic effect of Brahma Rasayana. Amala Research Bulletin, Vol.19, 36 − 43, 1999.
- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Effect of administration of Brahma Rasayana on antioxidant enzymes in mice exposed to sublethal radiation. Amala Research Bulletin, Vol.20, 32 − 38, 2000.
- ❖ P.S.Rekha, G.Kuttan and R. Kuttan. Role of Brahma Rasayana on the immune status in irradiated mice. Amala Research Bulletin, Vol. 23, 195 − 203, 2003.
- ❖ V.Ramnath and **P.S. Rekha**. Brahma Rasayana enhances *in vivo* antioxidant status in cold stressed chickens (*gallusgallusdomesicus*). Amala Research Bulletin, Vol. 27, 173 − 188, 2007.
- ❖ V.Ramnath and **P.S. Rekha**. Immunomodulatory property of Brahma Rasayana (BR) on heat stress induced disturbances of humoral immune diffence in chicken. Amala Research Bulletin, Vol. 28, 157 − 166, 2008.

Membership in Professional Bodies : Nil

Honours and Awards : 3rd Rank in Bachelor of Science in Botany,

(University of Calicut, 1991-1993)

St.Joseph's College, Irinjalakuda, Kerala, India.

: Awarded Fr.Gabriel Golden Jubilee Memorial Research Prize for the best Research Publication entitled "Antioxidant and Anticlastogenic effect of Brahma Rasayana" in Amala Research Bulletin

Vol.19, 36 – 43, 1999.