

## Curriculum Vitae

**Name:**

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**Residence:** 1/2E Ponnar Sankar Nagar, Periyappatty Road, Namakkal, India-637002

**DOB** : 04/06/1968

**Chronological steps in my curriculum**

S.NO	Description	Period	Marks	Remarks
1	1-10 std	June 1974 to March 1984	81.2%	Acquiring Training in Traditional Medicine from family members and ancestors
2.	10 -12 std`	June 1984 to April 1986	75.8%	
3.	B.V.Sc	Dec'1986 to 19 <sup>th</sup> Feb'19 92	58.63%/GPA 2.43	Comparing Traditional Medicine with Science
4.	Profession, Bussiness , parttime Siddha and Ayurveda practice and research	Professional ,bussiness from 1992 to till date		Virological and Immunological works was mainly carried out in job
5.	MSc Biotechnology	16.08.2002 - 17.04.2004	First class 69.66%	Dissertation in HIV(Adaptation of HIV in vero cell lines)
6.	PhD Biotechnology	1.01.2005- 2010		Thesis submitted in HIV(Phytochemical therapy as a possible cure for AIDS patients

## Research Activities

### **Field of Research:**

Nanomedicine : Production of Nanoparticles in Indian way , Evaluation, Validation and Standardization of nanoparticles produced out of Indian Indigenous techniques.

Medical Biotechnology including Virology, Molecular biology and Immunology

**Area of Research:** Nanomedicine and HIV

### **Skills:**

#### **Basic skills:**

1. Production of nanoparticles from Iron, Copper, Gold, Silver, Mercury, Zinc, Tin ,Lead, Mica, Basanams and sea shells using Siddhas' Techniques.
2. Clinical studies both animal and human subjects using nanoparticles
3. Virological works with nanoparticles (i. Virological assays .ii.Virus isolation, culture and characterization. iii.Vaccine development incorporating nanoparticles)
4. Molecular works including PCR, RT-PCR, Real Time PCR techniques, Genotyping and phylogenesis
5. Immunological works including immunoassays, cells enumeration and cytokines quantitation.
6. Invitro biological studies using nanoparticles

#### **Research skills:**

- 1 .Employing Nanoparticles as antiviral for invitro studies.
2. Adaptation of viruses in cell lines towards vaccine development.
3. Drug development other than HAART especially nanotechnology based phytochemicals towards the Antiviral and Immune activation concept.

**Achievements Done:** Developed a Medicine to HIV and Influenza from Nanoparticles Phytochemical Means. The research article is in press.

#### **Experience:**

Treating human patients with Indian nanomedicine for various ailments.

#### **Knowledge:**

Application of Indian nanoparticles equally to western nanoparticles as per the modern scientific concepts in various fields as physical, chemical and biological.

### **Workshop Attended:**

1.Capacity Building Workshop on Ethics in HIV/ AIDS Research on 14-16 November,2011 at GHTM,Tambaram Sanatorium, Chennai-47 organized by NACO India and UNICEF.

### **PATENTS**

One National patent obtained. One National and two International patents filed.

### **Awards**

1 .Excellence in Microbiology, Golden Jubilee Award by Kandasamy Kandar's College, Velur, Namakkal District on 28<sup>th</sup> February 2012.

### **Invited Speaker**

1.In "National Seminar on Current Status of HIV Vaccines and Opportunistic infections" on 28<sup>th</sup> February 2012,the speech titled "A Novel approach to eliminate HIV with ancient Indian medicines" in Kandasamy Kandar's College, Velur, Namakkal District.

### **INTERNATIONAL JOURNAL PUBLICATIONS**

- Prakash,SK. Anology of CD4 Cells, CD8 Cells and CD4/CD8 Ratio in Human Immunodeficiency Virus-1 (HIV-1) Infected Individuals Treated with Phytochemical Therapy.International Journal of advances in Pharmacy,Biology and Chemistry. Vol. 1(1), Jan- Mar, 2012
- Prakash,S.K..Status of hiv-1 proviral dna with the treatment of poly phytochemical molecules. . International Journal of Pharma and Bio Sciences V1 (2)2010. [www.ijpbs.net.Biotechnology](http://www.ijpbs.net/Biotechnology).
- Prakash,S.K. Elimination of HIV-1in an infected patient in association with phytotherapy.International Journal of Pharma World Research.1:2.2010. [http://ijpwr.com/PAST\\_files/pdf%20vol%201%20issue2/6620%20HIV.pdf](http://ijpwr.com/PAST_files/pdf%20vol%201%20issue2/6620%20HIV.pdf)
- Prakash, S.K.Status of HIV-1 proviral DNA with the treatment of Poly Phytochemical Molecules.October 2009.Journal of Herbal Science and Technology.This can be viewed at: <http://www.herbaltechindustry.com/Status%20o.html>

- Prakash, S.K.Effects of Herbal Extracts Towards Microbicidal Activity Against Pathogenic *Escherichia coli* in Poultry. International Journal of Poultry Science 5 (3): 259-261, 2006.This can be viewed at:<http://www.pjbs.org/ijps/fin555.pdf>

And 3 articles in press on nanomedicine HIV.

### **No of Presentations:**

7 Paper Presentations In National Level Seminars and conferences.

1. A Speedy efficient and non-phenolic method of isolation of Mrna for molecular works on animal viruses, National Seminar on Biotechnology at Vivekananda College of Arts and Science. Namakkal,Tamilnadu,India. (2003).
2. A New medicinal property of kalpam of Azadiracta indica (Neem) not attributed so far. National Seminar on Biotechnology at Vivekananda College of Arts and Science. Namakkal,Tamilnadu,India. (2003).
- 3.Quantitative Correlation of HA and ELISA in Newcastle Disease Virus.Second National Level Congress on Perspective and Future Trends in Biological Science at Selvam College of Arts and Science, Namakkal,Tamilnadu,India. (2005).
4. Retroviral Therapy.National level symposium in Srimad Andavan College, Srirangam, Tiruchy, Tamilnadu,India. (2005).
5. Herbal Therapy to Control HIV.National level conference in Muthayammal College of Arts and Science, Rasipuram, Tamilnadu,India. (2006).
6. Advance Methods in HIV Detection.In the UGC Sponsored HIV-TB Pandemic Global Perspectives at Bharathidasan University, Tiruchy, Tamilnadu,India.( 2006).
- 7.Phytochemical Therapy to Control HIV.In the National conference on Pharma Innovations at Bharathidasan University, Tiruchy, Tamilnadu,India.(2006).
8. Herbal Medicines to the rescue of AIDS patients. International Conference on Computational Biotechnology and Nanotechnology,Tiruchengode, Tamilnadu, India.(2010)

No of Popular Articles:

1. Herbs in poultry feed will prevent Avian Influenza. The Hindu, Feb 4, 2004.
2. 5 Popular articles on Avian Influenza and 5 on HIV in Tamil News papers from 2004-2009.

**Countries Visited For Research Training:**

1. Thailand (Training Program in Molecular Virology Works in HIV and HIV Quantification and Sub typing).
2. Switzerland (For molecular Virology Works in HIV)
3. Madagascar, Mauritius, Dubai, Malaysia and South Africa for clinical study

#### Business activities:

1. Proprietor of the company "Naval Pharmaceutical" started at 2001 manufacturing herbal poultry feed supplements and "Naval Herbal Health" started at 2008 manufacturing herbal health drinks

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#### Professional Activities:

- 1.As a marketing and technical manager in a concern 20<sup>th</sup> Feb '92 to 28<sup>th</sup> Nov '98 along with veterinary practices.
- 2.From 1998 to till now veterinary consultancy, biotechnological consultancy services and agriclinic consultancy services.

#### **Professional Enhancement Trainings**

1. Agriclincs and Agribusiness centres Training of National Institute of Agricultural Extension Management at CARE, Namakkal on 28.01.2009 to 29.03.2009.
2. Refresher Training Programme from March 13 -15 by National Institute of Agricultural Extension Management, Hyderabad.