

## Dr. P. Rajasekar M.Sc., Ph.D.

**Research Scientist (Microbiology)**

BioMe Live Analytical Centre

College Road, Karaikudi.



### Contact Details

**Mobile: +91 9597870144**

**Email: [rajashant.shant@gmail.com](mailto:rajashant.shant@gmail.com)**

### Profile Links:

[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=rajasekar+periyannan+alagappa+university&oq=rajasekar+periyannan+alagappaun](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=rajasekar+periyannan+alagappa+university&oq=rajasekar+periyannan+alagappaun)

## 1. Educational Details

### ❖ Ph.D. ( Animal Health and Management)

2012-2021, Department of Animal Health and Management, Alagappa University, Karaikudi. Title: **“Studies on the influence of medicinal plants, microalga and sulfated polysaccharides of *Spirulina platensis* on growth, carotenoid content and reproductive performance of freshwater ornamental fishes”**

### ❖ M.Sc., (Animal Health and Management)

2009-2011, Department of Animal Health and Management, Alagappa University, Karaikudi.

### ❖ B.Sc., (Zoology)

2006-2009, Department of Zoology, Alagappa Govt. Arts College, Karaikudi.

## **2. Working Experiences**

**Research Scientist (Jan 2022- till date):** Microbiology Laboratory, BioMe Live Analytical Centre, College Road, Karaikudi.

## **3. Research Exposure**

- Separation of polysaccharides and bioactive compounds from algae and plants (Chemical analysis, Ion Exchange Chromatography, HPLC, FT-IR, <sup>1</sup>H NMR, <sup>13</sup>C NMR)
- *In vitro* and *In vivo* antioxidant assays
- Efficient in handling pathogenic microbial strains
- *In vitro* and *In vivo* antibacterial studies
- Animal handling (Wistar albino mice and Wistar rats)
- DNA extraction and Gel electrophoresis (Native, PAGE and SDS- PAGE)
- Synthesis and Characterization of non-pollutant nanoparticles (UV-Spectrophotometer, XRD, DLS, SEM, TEM)

## **4. Research Publications**

Total Publications (Paper and conferences)	: <b>17 papers</b>
International publications (SCI)	: <b>15</b>
Total Impact Factor	: <b>60.7 (Average Imp. Factor= 3.5)</b>
Total Citations	: <b>1033</b>
H Index	: <b>13</b>
I10 Intex	: <b>16</b>
International & National Conferences	: <b>17</b>