

# NanoBiotech

## NanoBiotech R&D Ltd

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Kayseri, Turkey

Contact: Prof. Dr. Dilek Demirezen Yilmaz

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### Founder:

Prof. Dr. Dilek Demirezen Yilmaz

### Management:

Derya Aksu Demirezen

Seyda Yilmaz

Kürşat Demirezen

Emin Yilmaz

Category: Advanced Materials

Year Founded: 2017

Year participated in GCIP: 2017

Number of Employees: 5

Amount and Type of Financing :

\$125.000 By KOSGEB - Turkish

Small And Medium Industry

Development Organization

Sought: Investment

Funding Stage: Stage-A

Use of Funds: Scale up globally

**Business Description:** NanoBiotech researches, develops, produces and sells biologically synthesized nano-material that kills bacterias or stop their growth. Our 100% biological nano silver solution is one of the most effective antibiotics resistant bacterias. Our methodology to produce nano material disinfectant is suitable to directly human touch, ease of application and produces less organic wastes. Our product which is chemical free and non-toxic, helps to save environment compared to current chemical disinfectants.

**Product/Market Fit:** NanoBioTech's initial market is healthcare industry. (Hospitals, Dental clinics, laboratories and esthetic surgery clinics). Currently healthcare industry uses chemical based disinfectants. We target to be main solution for hospital infection problem. We will produce our product at liquid and powder forms based on the application required.

**Business Model:** NanoBioTech R&D will use develop strong relationships with disinfectant distribution companies in order to achieve the initial sales target of USD 1.1 Million for the first year. NanoBiotech R&D will establish licensing relationships with leading disinfectant manufacturer.

**Customers/LOI:** Our first customers are Erciyes University Hospitals and Kayseri Education and Research Hospitals and Dental Hospitals (**First Sale**).

**Management:** Prof.Dr. Dilek Demirezen Yilmaz - Founder- She is biology professor at Erciyes University. She has strong knowledge on plant based nano materials more than 20 years.

Derya Demirezen: R&D— Derya (MsD) is an environmental engineer. She has 15 years of experience on environmental impacts and regulations and waste management

Seyda Yilmaz: Seyda is a biologist (MsD). She has 9 years of experience on microbiology and biochemistry laboratory.

Kürşat Demirezen-16 Years of business model development and investors relations.

Emin-Marketing- Channel & Partnership Management 25 years of marketing and sales experience

**Technologies/Special Know-how:** Application for the patent for this project has been submitted to TPE in 2016. The process is still going on. All validated customer's feedback and targeted customer comments indicated chemical free disinfection requirement which shown that we manufacture the right product for disinfection

**Markets:** Disinfection Product Usage : 504.6 Million L/year

Hospital Associated Infection Cost is USD 16 Billion currently and will reach USD 21 Billion by 2021 globally.

**Competition:** Primary competition for liquid form of our product includes chemical disinfectants and chemically synthesized nano silver disinfection products. Our competitors; EcoLab, Sanosil, Sakura and Belimed. NanoBioTech R&D is uniquely qualified to succeed in bringing the disinfectant to market: The scientific and technical team has a deep knowledge of the science, and unique experience in the technologies and the scales required for a disinfectant. NanoBioTech R&D's technology is the only proven, effective, eco-friendly and slightly low cost disinfectant production than any private competitor.

**Funds Raised:** NanoBioTech R&D supported by KOSGEB. We are seeking an additional investment, to supplement initial cash flows from sales for the first year. We anticipate a first year net profit. This should grow substantially by year three. By the end of year three, NanoBioTech R&D will have a very respectable net worth.

## Financial Projections

