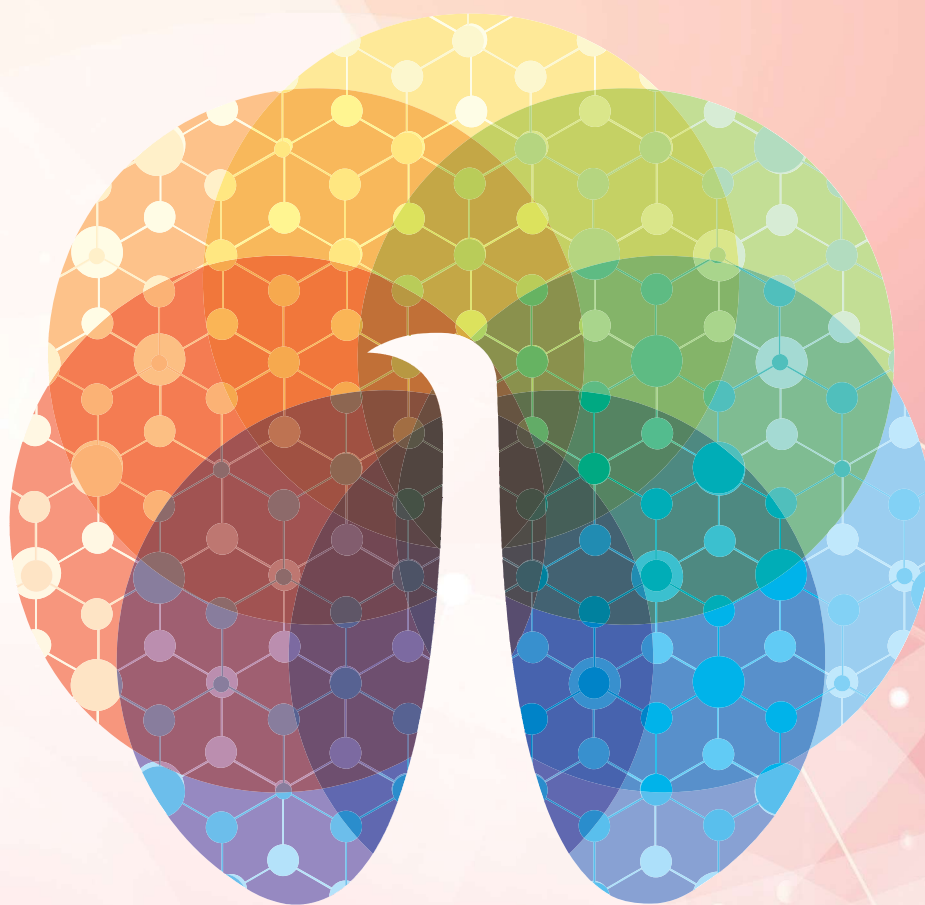




DEPARTMENT OF BIOTECHNOLOGY  
MINISTRY OF SCIENCE & TECHNOLOGY  
GOVERNMENT OF INDIA



# 75 Biotech Women Entrepreneurs

**डॉ. जितेन्द्र सिंह**

राज्य मंत्री (स्वतंत्र प्रभार),  
विज्ञान एवं प्रौद्योगिकी मंत्रालय,  
राज्य मंत्री (स्वतंत्र प्रभार) पृथ्वी विज्ञान मंत्रालय,  
राज्य मंत्री प्रधान मंत्री कार्यालय,  
राज्य मंत्री कार्मिक, लोक शिकायत एवं पेंशन मंत्रालय,  
राज्य मंत्री परमाणु उर्जा विभाग तथा अंतरिक्ष विभाग  
भारत सरकार



**DR. JITENDRA SINGH**

Minister of State (Independent Charge),  
of the Ministry of Science and Technology,  
Minister of State (Independent Charge)  
of the Ministry of Earth Sciences,  
Minister of State in the Prime Minister's Office,  
Minister of State in the Ministry of Personnel,  
Public Grievances and Pensions,  
Minister of State in the Department of Atomic Energy and  
Department of Space,  
Government of India

### **MESSAGE**

BIRAC through its several programs has unleashed and elevated talented women to become innovators and health leaders. BIRAC's footprint has expanded over the last decade as experience and funding allow reaching women in STEM through a portfolio of interventions to take up entrepreneurial activities.

The Start-Up India and Make in India initiatives empower women entrepreneurs both at the initial stages of their business and later on. BIRAC has built a curated platform through Women entrepreneur Program which amplifies innovations and supports women innovators to network and continue to learn and grow.

BIRAC is committed to harnessing the talent of women in our country focusing on their capacity building and skill development, besides providing funding and mentoring to guide them in their operations. Women scientists and entrepreneurs are today's game-changers who drive the growth of the Indian economy.

I am hopeful to see more women joining the mark of successful entrepreneurs as BIRAC stays committed to empowering them through creating many newer opportunities.

**(Dr. Jitendra Singh)**  
**MBBS (Stanley, Chennai)**  
**MD Medicine, Fellowship (AIIMS, NDL)**  
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[www.pragmatech.co.in](http://www.pragmatech.co.in)

## Syantani Pramanik

After spending 5+ years in the Bio-Pharma Sector, she has taken a leap to Co-found Pragmatech Healthcare Solutions Pvt Ltd. with a vision to develop affordable healthcare solutions addressing the local challenges faced in India and other LMI country

### Product/Technology:

Cervical cancer kills 1 woman every 8 minutes in India owing to the low adoption and access to periodic cervical cancer and vaginal health screening. The CERVICHECK™ is a combination of self-sampling that empowers a woman to be ATMANIRBHAR in collecting her cervical sample from the privacy and convenience of her bedroom, along with a POC screening assay that identifies high risk women at a treatable point without any ambiguity. The innovation removes the pertinent barriers leading to low adoption and access to periodic cervical cancer and over-all vaginal health screening, and encourages more women to take charge of their cervical health without any inhibitions.

### Stage of development:

Validation - CERVICHECK™ is currently in a DCGI approved clinical evaluation phase; while the POC screening assay is under development.

### Impact:

India alone accounts for one-quarter of the worldwide burden of Cervical cancers, accounting for 17% of all cancer deaths among women aged between 30-69 years. Success of a large-scale screening program extensively depends on an India-centric approach where the local barriers for adoption are overcome by the CERVICHECK™ Self Sampling kit. Simultaneously, an early detection of Cervical cancer, at a pre-cancerous stage will allow treatment through a simple cost-efficient procedure such as cryo/thermal-ablation, as against the costly treatment of cancer.

**IP status:**

Received the design and utility patent. For the POC screening assay, in the process of filing a provisional

**Other achievements:**

- o Recipient of NIDHI Prayas'21, INDUS CSR Entrepreneurship Fellowship'21, HDFC Smart-Up CSR Grant'22. Featured in YourStory; Winner of Popularity Award at AIM (Atal Innovation Mission) PRIME Demo-day with investors.
- o BIRAC SEED FUND in 2020
- o Winner of SWISSNEX AIT'20, AAGS'21 and Stanford Seed Spark'21, and recipient BIRAC BIG – 19.

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