

S&T4COVID

CSIR's S&T Interventions To Control COVID-19 Proliferation

*“Modalities to Promote Rural
Entrepreneurship for Covid-19”,*

**Presentation by
Arvind Kumar Kundalia, RPPBDD, CSIR**

Proposed Modality

Two pronged benefit: Fight and Earn

- Each CSIR lab identifies and takes care of entrepreneurs from 10 nearby villages or may be possibly 100 even better
- Social distancing aspect to be taken care of while training entrepreneurs (More of Digital)
- Low hanging deliverables can be given by next week, specialized deliverables like ventilators can be delivered through appropriate MSMEs
- CSIR labs can also approach industries for tapping CSR money exclusively for COVID-19 control endeavours

CSIR Headquarters Role:

- Idea Conceptualization
- Based on lab proposals, funding to each lab in just few days time, by taking FA,CSIR on board (If required by utilizing special powers of DG,CSIR)
- Coordination and Monitoring

Quick Testing



Scott Gottlieb, MD 
@ScottGottliebMD

This is GAME CHANGER. Abbott to market, starting next week, a fast point-of-care [#coronavirus](#) test, delivering positive results in 5min and negative results in 13min. Will deliver 50K tests/day to start. Kudos to Abbott and FDA's Jeff Shuren and team at CDRH who are in the fight.

5:56 AM · Mar 28, 2020 · [Twitter for iPhone](#)

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Scott Gottlieb, MD  @ScottGott...

Replying to [@ScottGottliebMD](#)

It's very likely that we'll see additional approvals of POC diagnostics behind this



Possible Deliverables

- Disinfectants, Sanitizers, Soaps, Masks, Gloves (Individuals, Self Help Groups)
- Ventilators (Needs Specialization so MSME suits better - DRDO making 30 K in few weeks)
- Fast detection kits (MSME)
- Food Products (For villagers and poor people struck here and there)
- Water Purification kits
- And so on

Possible Deliverables

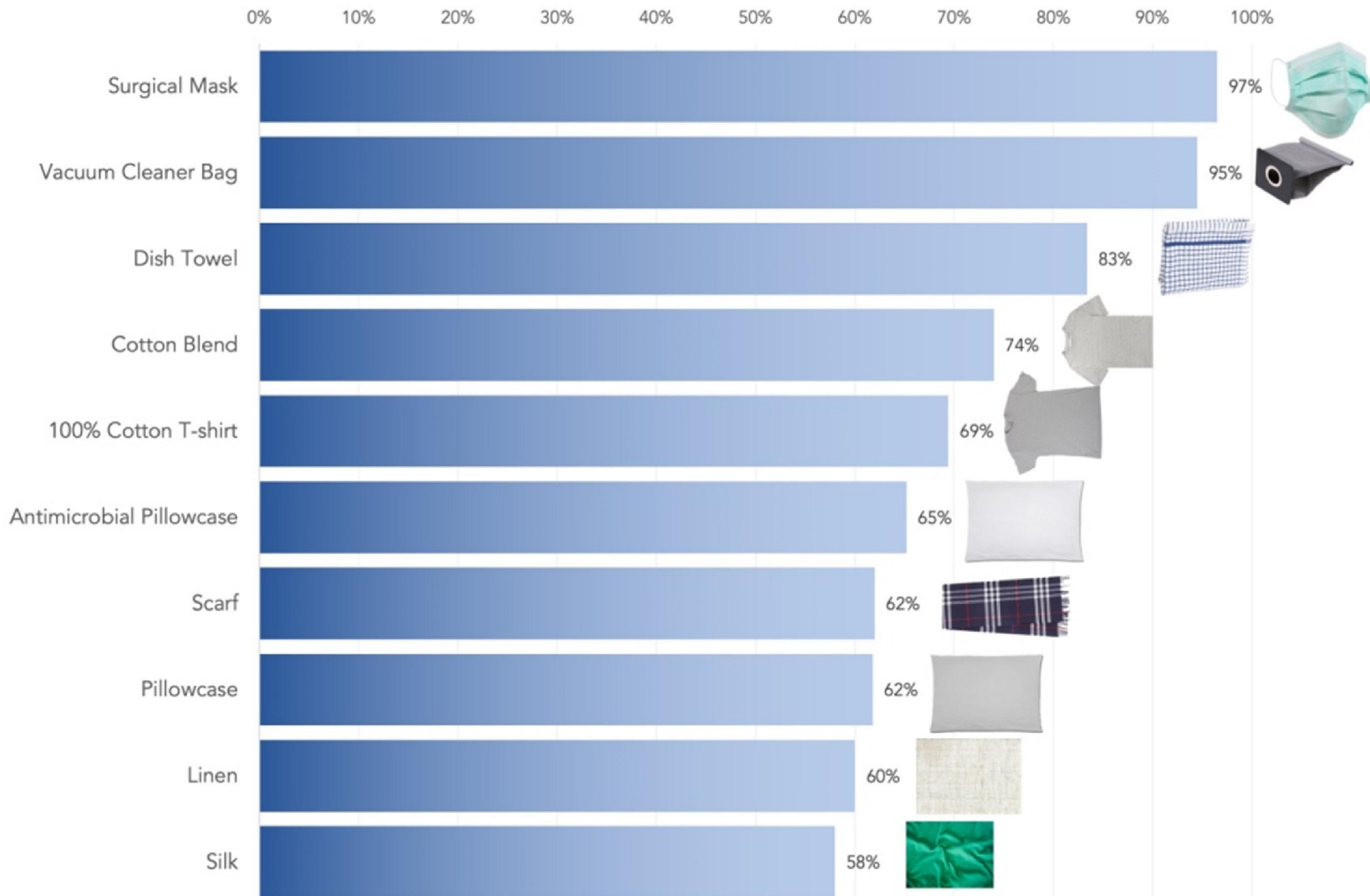
Can we identify Plants or develop
Material which could adsorb Novel
Corona virus in ambient
environment?

One Representative Example
By CSIR-CECRI

Low Hanging Fruits

- With help of Cotton Industries around Thiruppur, Karur, Coimbatore and Erode
 - Disinfectant cloths, cloth face masks and cloth gloves
 - Wet wipes with CSIR labs hand sanitizers.
 - Washable/disinfectable cloth masks
 - Reusable/disinfectable (thick cloth like dish towel) hand gloves
 - Best cotton blend as well as an affordable protocol

Household Materials' Effectiveness Against 1-Micron Particles



Thank you