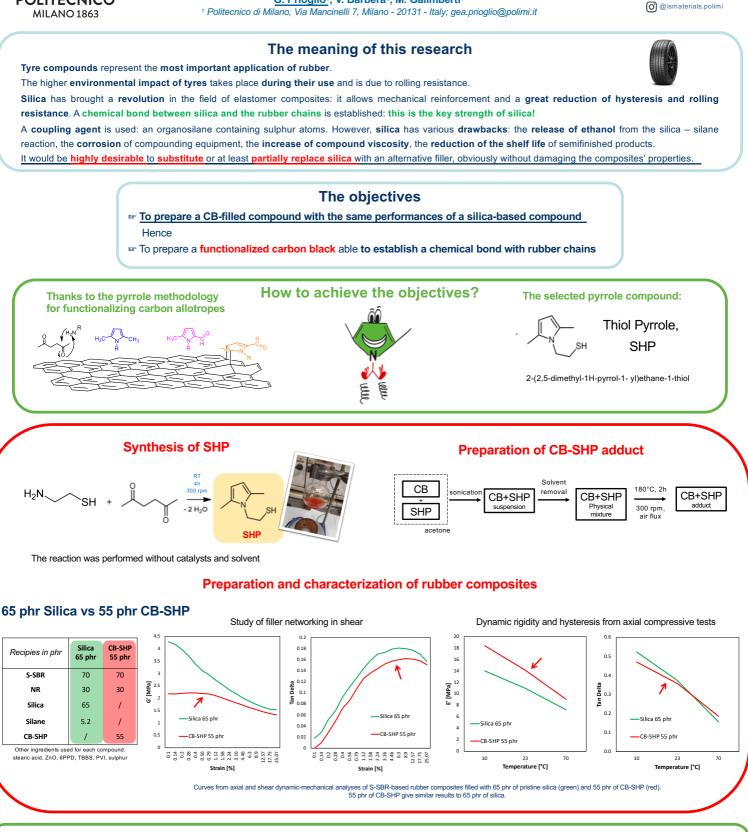


## Functionalized carbon black for elastomeric composites with low dissipation of energy

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## Conclusions

- Composites with functionalized CB, reactive with the rubber chains, have the same or even better dynamic mechanical properties with respect to silica -based composites
- The reactive CB was prepared with the pyrrole methodology, through a simple and sustainable technology based on a pyrrole compound
- These results demonstrate that silica is not the only possible filler for the preparation of green elastomeric composites for tyre applications.

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