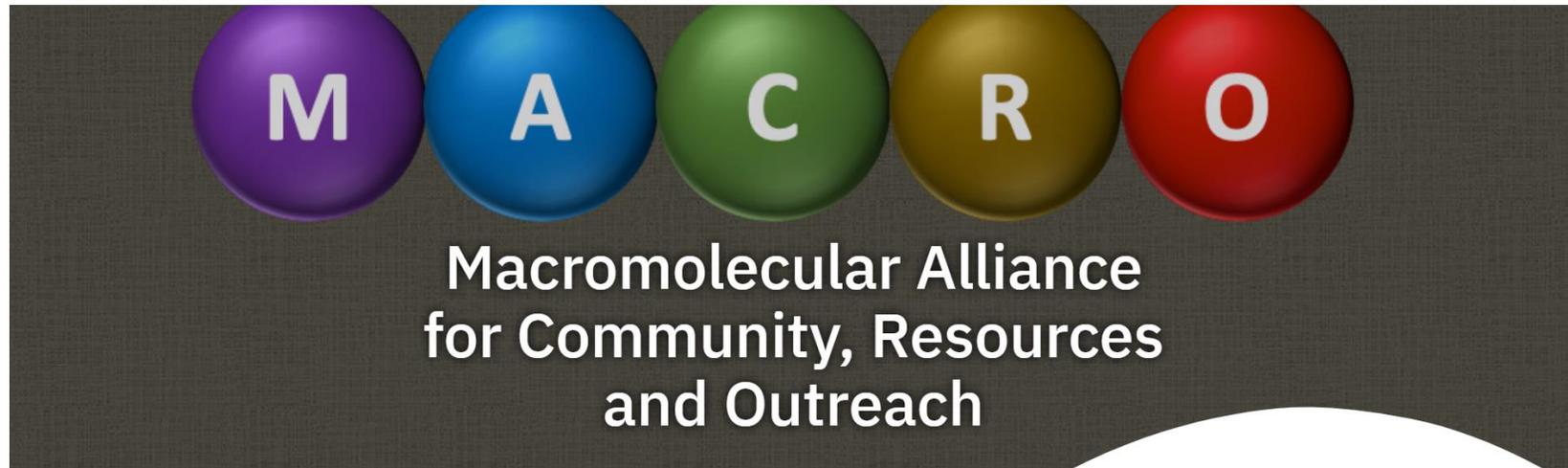


# MACRO update

- Website traffic is up from 2020 to 2021
  - 2020: 1926 page views, 742 visitors
  - 2021: 3387 page views, 1945 visitors
  - <https://macro-poly-pmse.org/>

Macromolecular Alliance for Community Resources and Outreach (MACRO)

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- Need to create a Twitter and Youtube channel.

# Curriculum: 2021

- Posted 4 modules in various formats (instructor, student, slides, videos)
  - Introductory
  - Acyl substitution
  - Stereochemistry
  - Alkene chemistry
- Video equipment purchased and acquired. Belongs to “MACRO”
  - Currently maintained by Liz Sterner
- Future work: create new video content
  - Advanced content (reversible deactivation radical polymerization)
  - Polymer analytical techniques (DSC, GPC - TOSOH contribution)

# Professional Development: 2021

- *New Content*
- Career in Industry or Academia
  - Dr. Madhura Pade (Materia Inc.) and Prof Dominik Konkolewicz
- CV's vs Resume
  - Dr. Andrea Armani and Dr. Dominik Konkolewicz
- *Updates*
- Tips for writing a paper

# Professional Development: 2021

- Held a REU and Grad School panel (5 NOV 2021)

**MACRO Web Panel: Graduate Studies and REUs**

Applying to grad schools or research experiences for undergraduates (REU) in Chemistry, Polymer Science or Engineering?

We are hosting a Live and Interactive Web Panel

**When?** Nov 5 2021 at 3 PM EDT

**How to I join?** Sign up for free by following the link below or scanning the QR code and filling in your info.

Click Here to Register: <https://conta.cc/3vEIFkO>

**Panelists:**

- Dr Valerie Carmichael (Miami Univ., Assistant Dean of Graduate Admissions)
- Dr Michaela Stefan (Univ Texas at Dallas, Dept Head of Chemistry)
- Dr Lou Charkoudian (Haverford College, Department of Chemistry)

Moderated by: Dr Bhavya Singhi and Dr Dominik Konkolewicz

MACRO is the educational and outreach committee of the POLY and PMSE divisions of ACS

MACRO  
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Community Resources and Outreach

PMSE

ACS



<-Scan This to register

- Future plans
  - Panel?
  - Additional website content?

# Outreach: 2021

- Total of 5 activities posted
  - Silly Putty
  - Slime
  - Bouncy Balls
  - BYOP
  - STEM Career education
- *Currently soliciting activities*
  - *Difficult to collect information*
  - *Using Gamma Zeta chapter of Alpha Chi Sigma*
- Plan to create a searchable database once 10 activities are loaded

# Scientific Resources: 2021

- Various “calculators”
  - Peak deconvolution
  - DSC
  - GPC Mark Houwink corrections
- Have received multiple inquires to post other materials
- Have declined initial requests

# Future plans

- Implementing a sustainable methodology for generating new content
  - Current model
    - At least one new post per quarter
    - At least one new post per section per year
- Spring 2022 National ACS meeting in San Diego
  - "Integrating Polymer Science in the Classroom"
  - 2 half day sessions
    - K-14
    - Undergraduate & Graduate curriculum
  - Plan to transform conference contributions into website content