

Ralph Moorhouse

Academic:

- Ph.D. Aston, Birmingham, UK
- B.Sc (Hons) Liverpool, UK
- Post Doc. Purdue, W. Lafayette, IN, US

Industrial Experience:

- **Unilever Research**, Colworth House, Bedford, UK 1968-75
 - Physico-chemical properties of hydrocolloids for food & personal care applications.
- **Kelco** (now CP-Kelco) San Diego, CA, US 1977-90
 - New hydrocolloid product & process development (lab to plant scale).
 - Rheology.
 - Product application use & development.
 - Products: xanthan, gellan, algin, other non-food biogums.
- **Rhône-Poulenc** (now Rhodia), Cranbury, NJ, US 1990-96
 - Guar product & process development.
 - Xanthan product development.
- **Benchmark Research**, Houston, TX, US 1996-2000
 - Guar application development for non-food applications (oilfield).
- **Hydrocolloid Solutions LLC**, Houston, TX, US 2000 to date
 - Consulting and expert services to users and manufacturers of hydrocolloids.
 - Product development; process improvement, confidential product evaluation.
- **Main Expertise Areas:**
 - *Hydrocolloids:* Xanthan, guar (galactomannans), gellan, algin
 - *Technical:* Rheology, production/manufacturing, process/product development
 - *Other:* GRAS self affirmation petition development & evaluation