



Network for Information and Digital Access

The impact of Science Literacy delivery methods - what works?

Bibliography

Social Media | Group 5. Online interactions

Ver. 2.00

Date: May 2019

Introduction

This thematic bibliography is the result of research to survey existing literature available on Science Literacy delivery methods.

The search was carried out by retrieving documents and articles from a wide range of sources, including research databases, Google Scholar, ResearchGate, subject databases, open access repositories etc. using keyword combinations.

The results of the resource discovery are divided into two groups: one containing impact assessments using qualitative, quantitative or mixed method (both qualitative and quantitative) approaches to data collection and a second including descriptive resources, which encompass, for example, reviews, guides, handbooks, reports and project reports.

This bibliography is work in progress and is not designed to be fully exhaustive or complete. We will be pleased to receive suggestions and recommendations for additions that can contribute to the understanding of science, its applications and, to the promotion of science literacy.

Groups and methods list

During the first part of the Desk Research phase of this project (i.e. Task 1), the team identified 42 single-mechanism approaches, 2 composite approaches and 1 related approach that were relevant to the delivery and dissemination of scientific information. The list of single mechanisms was further organised into 7 thematic groups, as presented in the following Table.

Single mechanism approach	Group
Exhibitions, Expo, Festivals, Movies, Picnics, Science fairs, Seminars, Talks, TED Talks, Theatre, Workshops	1. Events, meetings, performances
Colloquia, Courses, Curricula, E-learning, Webinars	2. Education and training – including online
Animations, Books, Brochures, Cartoons, Comics, Games, Graphics, Posters, Publications, Radio, Reports, TV, Videos	3. Traditional publishing and journalism – print and broadcast
Competitions, Experiments, Makerspaces, Mobile classrooms, Mobile laboratories	4. Activities and services
Blogs, E-books, E-zines, Mobile Apps, Podcasts, Social media, Websites, Wikis	5. Online interactions
Composite approaches	
Multiliteracies	
Multimodalities	
Related approach	
Citizen Science	

Attribution 4.0 International (CC BY 4.0)

Impact Assessment

- Alabdulkareem, Saleh Abdullah. 2015. "Exploring the Use and the Impacts of Social Media on Teaching and Learning Science in Saudi." *Procedia - Social and Behavioral Sciences* 182 (May): 213–24. <https://doi.org/10.1016/j.sbspro.2015.04.758>.
- Chawinga, Winner Dominic. 2017. "Taking Social Media to a University Classroom: Teaching and Learning Using Twitter and Blogs." *International Journal of Educational Technology in Higher Education* 14 (3): 19. <https://doi.org/10.1186/s41239-017-0041-6>.
- Chen, Xi. 2013. "The Influence of Social Media on Knowledge Gaps about Science and Technology among Chinese Audiences." Master's thesis, Ames, Iowa, USA: Iowa State University. <https://lib.dr.iastate.edu/etd/13484>.
- Crăciun, Dana, and Mădălin Bunoiu. 2016. "Training Teachers for the Knowledge Society: Social Media in Science Education." *BRAIN. Broad Research in Artificial Intelligence and Neuroscience* 6 (3–4): 82–88. <http://www.edusoft.ro/brain/index.php/brain/article/view/521>.
- Fauville, G., S. Dupont, S. von Thun, and J. Lundin. 2015. "Can Facebook Be Used to Increase Scientific Literacy? A Case Study of the Monterey Bay Aquarium Research Institute Facebook Page and Ocean Literacy." *Computers & Education* 82 (March): 60–73. <https://doi.org/10.1016/j.compedu.2014.11.003>.
- Fauville, Geraldine. 2013. "How Can Facebook Contribute to the Creation of a More Ocean Literate Society?" Sweden: University of Gothenburg. <https://gupea.ub.gu.se/handle/2077/32030>.
- Gundlach, Ellen, Clarence Maybee, and Kevin O'Shea. 2015. "Statistical Literacy Social Media Project for the Masses." *Journal of Faculty Development* 29 (2): 71–79. <https://docs.lib.purdue.edu/impactpubs/2/>.
- Hand, Rosa K, Deric Kenne, Taylor M Wolfram, Jenica K Abram, and Michael Fleming. 2016. "Assessing the Viability of Social Media for Disseminating Evidence-Based Nutrition Practice Guideline Through Content Analysis of Twitter Messages and Health Professional Interviews: An Observational Study." *Journal of Medical Internet Research* 18 (11): e295. <https://doi.org/10.2196/jmir.5811>.
- Jackson, Devlon N., Wen-Ying Sylvia Chou, Kisha I. Coa, April Oh, and Bradford Hesse. 2016. "Implications of Social Media Use on Health Information Technology Engagement: Data from HINTS 4 Cycle 3." *Translational Behavioral Medicine* 6 (4): 566–76. <https://doi.org/10.1007/s13142-016-0437-1>.
- Mou, Yi, and Carolyn A. Lin. 2014. "Communicating Food Safety via the Social Media: The Role of Knowledge and Emotions on Risk Perception and Prevention." *Science Communication* 36 (5): 593–616. <https://doi.org/10.1177/1075547014549480>.
- Owusu-Acheaw, M., and Agatha Gifty Larson. 2015. "Use of Social Media and Its Impact on Academic Performance of Tertiary Institution Students: A Study of Students of Koforidua Polytechnic, Ghana." *Journal of Education and Practice* 6 (6): 94-101–101. <https://www.iiste.org/Journals/index.php/JEP/article/view/20048>.
- Sin, Sei-Ching Joanna, and Kyung-Sun Kim. 2014. "Impacts of Social Media Usage on the Outcomes of Students' Everyday Life Information Seeking: Impacts of Social Media Usage on the Outcomes of Students' Everyday Life Information Seeking." *Proceedings of the American Society for Information Science and Technology* 51 (1): 1–4. <https://doi.org/10.1002/meet.2014.14505101119>.
- Tse, Carrie KW, Susan M Bridges, Divya Parthasarathy Srinivasan, and Brenda SS Cheng. 2015. "Social Media in Adolescent Health Literacy Education: A Pilot Study." *JMIR Research Protocols* 4 (1): e18. <https://doi.org/10.2196/resprot.3285>.

- Uittenhout, Herre. 2012. "The Use and Effect of Social Media in Health Communication about Common Head Lice." Master's thesis, Enschede, Netherlands: University of Twente.
https://essay.utwente.nl/62495/1/MSc_H_Uittenhout.pdf.
- Valentine, Alissa, and Jake Kurczek. 2016. "'Social' Neuroscience: Leveraging Social Media to Increase Student Engagement and Public Understanding of Neuroscience." *Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience* 15 (1): A94–103. <https://www.ncbi.nlm.nih.gov/pubmed/27980477>.
- Welch, Vivian, Jennifer Petkovic, Rosiane Simeon, Justin Presseau, Diane Gagnon, Alomgir Hossain, Jordi Pardo Pardo, et al. 2018. "Interactive Social Media Interventions for Health Behaviour Change, Health Outcomes, and Health Equity in the Adult Population." Edited by Cochrane Public Health Group. *Cochrane Database of Systematic Reviews*, February, 25.
<https://doi.org/10.1002/14651858.CD012932>.

Descriptive Resources

- acatech. 2017. "Social Media and Digital Science Communication." Position Paper. Munich: acatech – National Academy of Science and Engineering, German National Academy of Sciences Leopoldina, Union of the German Academies of Sciences and Humanities. https://www.acatech.de/wp-content/uploads/2018/03/WOM2_EN_web_final.pdf.
- Adalberon, Erik, and Roger Säljö. 2017. "Informal Use of Social Media in Higher Education: A Case Study of Facebook Groups." *Nordic Journal of Digital Literacy* 12 (04): 114–28.
<https://doi.org/10.18261/issn.1891-943x-2017-04-02>.
- Adams, Amy, Geoffrey Lomax, and Anthony Santarini. 2011. "Social Media & Stem Cell Science: Examining the Discourse." *Regenerative Medicine* 6 (6s): 121–24. <https://doi.org/10.2217/rme.11.82>.
- Andersen, N.B, and T. Söderqvist. 2012. "Social Media and Public Health Research." Working Paper. Faculty of Health and Medical Sciences. University of Copenhagen: Medical Museion.
<http://www.museion.ku.dk/wp-content/uploads/FINAL-Social-Media-and-Public-Health-Research.pdf>.
- Anderson, Ashley A. 2017. *Effects of Social Media Use on Climate Change Opinion, Knowledge, and Behavior*. Vol. 1. Oxford University Press. <https://doi.org/10.1093/acrefore/9780190228620.013.369>.
- Appel, Markus. 2012. "Are Heavy Users of Computer Games and Social Media More Computer Literate?" *Computers & Education* 59 (4): 1339–49. <https://doi.org/10.1016/j.compedu.2012.06.004>.
- Barau, Aliyu Akilu, and Md. Safiul Islam Afrad. 2017. "An Overview of Social Media Use in Agricultural Extension Service Delivery." *Journal of Agricultural Informatics* 8 (3): 12.
<https://doi.org/10.17700/jai.2017.8.3.395>.
- Bert, Alison. 2014. "How to Use Social Media for Science — 3 Views." Elsevier Connect. February 25, 2014.
<https://www.elsevier.com/connect/how-to-use-social-media-for-science>.
- Bik, Holly M., and Miriam C. Goldstein. 2013. "An Introduction to Social Media for Scientists." *PLoS Biology* 11 (4): e1001535. <https://doi.org/10.1371/journal.pbio.1001535>.
- Bird, Caitlin. 2016. "Talking about Science on Social Media." Research. September 22, 2016.
<https://www.bu.edu/research/articles/communicating-science-on-social-media/>.
- Bond, Michelle, Ariel Andrea, Georgina Cronin, Victoria L. Orzechowski, and Mak Jie Ying. n.d. "Social Media and the Science Library: How It Really Works." Royal Society of Chemistry.
<http://www.rsc.org/globalassets/14-campaigns/m/lc/lc16026/royal-society-of-chemistry-social-media-ebook.pdf>.

- Boulos, Maged N. Kamel. 2012. "On Social Media In Health Literacy." *WebmedCentral HEALTH INFORMATICS* 3 (1): 1–12. <http://www.webmedcentral.com/>.
- Burclaff, Natalie, and Catherine Johnson. 2016. "Teaching Information Literacy via Social Media: An Exploration of Connectivism." *Library Philosophy and Practice (e-Journal)*, 20. <http://digitalcommons.unl.edu/libphilprac/1476>.
- Carroll, J.A., and R.L. Kirkpatrick. 2011. "Impact of Social Media on Adolescent Behavioral Health in California." Oakland, CA: Adolescent Health Collaborative. <http://www.phi.org/uploads/application/files/g9g6xbfghdxoe3vytmc1rfvvm8lt1ly9sr3j369pstkojdly15.pdf>.
- Clements, Jeff. 2015. "Social Media and Science: Using Online Media Tools to Enhance Research Impact." *Musings of a Marine Ecologist* (blog). February 22, 2015. <https://marineecologistmusings.wordpress.com/2015/02/22/social-media-and-science-using-online-media-tools-to-enhance-research-impact/>.
- Cline, Meghan. 2011. "Expansion of Social Media in Agriculture: A User Profile of Twitter's @AgChat, @FollowFarmer and @TruffleMedia Followers." Bachelor thesis, Stillwater, Oklahoma, USA: Oklahoma State University. <https://shareok.org/handle/11244/8748>.
- Collins, Kimberley, David Shiffman, and Jenny Rock. 2016. "How Are Scientists Using Social Media in the Workplace?" Edited by Stefano Goffredo. *PLOS ONE* 11 (10): e0162680. <https://doi.org/10.1371/journal.pone.0162680>.
- Cordero, Eugene. 2012. "The Use of Social Media to Improve Climate Literacy: The Green Ninja Project." *Bulletin of the American Meteorological Society* 93 (12): 1813–14. <https://doi.org/10.1175/BAMS-93-12-1813>.
- Cordoş, Ariana-Anamaria, Sorana Daniela Bolboacă, and Cristina Drugan. 2017. "Social Media Usage for Patients and Healthcare Consumers: A Literature Review." *Publications* 5 (2): 9. <https://doi.org/10.3390/publications5020009>.
- Correa, Teresa. 2016. "Digital Skills and Social Media Use: How Internet Skills Are Related to Different Types of Facebook Use among 'Digital Natives.'" *Information, Communication & Society* 19 (8): 1095–1107. <https://doi.org/10.1080/1369118X.2015.1084023>.
- Darling, Emily. 2013. "It's Time for Scientists to Tweet." *The Conversation*. May 28, 2013. <http://theconversation.com/its-time-for-scientists-to-tweet-14658>.
- dkaizer. 2017. "Beyond the Walls: Social Media and the Science and Technology Museum – Social Media for Business Performance." *Social Media Metrics*. Waterloo. March 13, 2017. <https://smbp.uwaterloo.ca/2017/03/beyond-the-walls-social-media-and-the-science-and-technology-museum/>.
- Donoso Navarrete, Veronica, and Valerie Verdoodt. 2014. "White Paper Social Media Literacy: Time for an Update!" White Paper. Leuven, Belgium: EMSOC. <https://lirias.kuleuven.be/retrieve/290457>.
- Drašković, Nikola, Ana Kuštrak Korper, and Katharina Kilian-Yasin. 2017. "Student Attitudes toward Use of Social Media in the Learning Process: A Comparative Study of Croatian and German Students." *International Journal of Management Cases* 19 (2): 53–64. https://bib.irb.hr/datoteka/858735.Draskovic_Kustrak_Kilian_Yasin_IJMC_19.2.pdf.
- Dumas, Audrée-Anne, Annie Lapointe, and Sophie Desroches. 2018. "Users, Uses, and Effects of Social Media in Dietetic Practice: Scoping Review of the Quantitative and Qualitative Evidence." *Journal of Medical Internet Research* 20 (2): e55. <https://doi.org/10.2196/jmir.9230>.

- Fernandez, Miriam, Lara S. G. Piccolo, Diana Maynard, Meia Wippoo, Christoph Meili, and Harith Alani. 2016. "Talking Climate Change via Social Media: Communication, Engagement and Behaviour." In *Proceedings of the 8th ACM Conference on Web Science - WebSci '16*, 85–94. Hannover, Germany: ACM Press. <https://doi.org/10.1145/2908131.2908167>.
- Ferreira, Leigh. 2015. "#SprintinginDigitalFootprints: Using Social Networking Sites and Social Media to Promote Critical Thinking and Engagement in a Middle School Classroom Setting." Master's thesis, Victoria, Canada: University of Victoria. https://dspace.library.uvic.ca/bitstream/handle/1828/6386/Ferreira_Leigh_MEd_2015.pdf;sequence=1.
- Gallant, Linda, Cynthia Irizarry, Gloria Boone, and Gary Kreps. 2011. *Promoting Participatory Medicine with Social Media: New Media Applications on Hospital Websites That Enhance Health Education and e-Patients' Voice*. Vol. 3. <https://participatorymedicine.org/journal/evidence/research/2011/10/31/promoting-participatory-medicine-with-social-media-new-media-applications-on-hospital-websites-that-enhance-health-education-and-e-patients-voices/>.
- Groshek, Jacob, and Serena Bronda. 2016. "How Social Media Can Distort and Misinform When Communicating Science." *The Conversation*. June 30, 2016. <http://theconversation.com/how-social-media-can-distort-and-misinform-when-communicating-science-59044>.
- Gualtieri, Lisa. 2012. "The Potential for Social Media to Educate Farm Families About Health and Safety for Children." *Journal of Agromedicine* 17 (2): 232–39. <https://doi.org/10.1080/1059924X.2012.658268>.
- Hamm, Michele P, Annabritt Chisholm, Jocelyn Shulhan, Andrea Milne, Shannon D Scott, Lisa M Given, and Lisa Hartling. 2013. "Social Media Use among Patients and Caregivers: A Scoping Review." *BMJ Open* 3 (5): e002819. <https://doi.org/10.1136/bmjopen-2013-002819>.
- Hawn, Carleen. 2009. "Take Two Aspirin And Tweet Me In The Morning: How Twitter, Facebook, And Other Social Media Are Reshaping Health Care." *Health Affairs* 28 (2): 361–68. <https://doi.org/10.1377/hlthaff.28.2.361>.
- Jackson, Carl, Evangelia Berdou, Victoire Ngounoue, Christian Kreutz, and Louise Clark. 2009. "Use of Social Media to Share Knowledge on Agricultural Impact, Planning, Assessment and Learning (IPAL)." <http://pool.fruitycms.com/aline/Downloads/social-media-paper-mar10.pdf>.
- Jarreau, Paige Brown, and Lance Porter. 2018. "Science in the Social Media Age: Profiles of Science Blog Readers." *Journalism & Mass Communication Quarterly* 95 (1): 142–68. <https://doi.org/10.1177/1077699016685558>.
- Kanode, Casey Forest. 2015. "Dumbing It down : Mass Media and Science Literacy in the USA." Master's thesis, Bozeman, Montana: Montana State University. <https://scholarworks.montana.edu/xmlui/handle/1/9442>.
- Kipkurgat, Thomas, Michael Onyiego, and Silahs Chemwaina. 2016. "Impact of Social Media on Agricultural Extension in Kenya: A Case of Kesses District." *EA Journals* 3 (1): 30–36. <http://www.eajournals.org/journals/international-journal-agricultural-extension-rural-development-studies-ijaerds/vol-3-issue-1-february-2016/impact-of-social-media-on-agricultural-extension-in-kenya-a-case-of-kesses-district/>.
- Korda, Holly, and Zena Itani. 2013. "Harnessing Social Media for Health Promotion and Behavior Change." *Health Promotion Practice* 14 (1): 15–23. <https://doi.org/10.1177/1524839911405850>.
- Kryvasheyev, Yury, Haohui Chen, Nick Obradovich, Esteban Moro, Pascal Van Hentenryck, James Fowler, and Manuel Cebrian. 2016. "Rapid Assessment of Disaster Damage Using Social Media Activity." *Science Advances* 2 (3): e1500779. <https://doi.org/10.1126/sciadv.1500779>.

- Lau, Annie Y. S., Elia Gabarron, Luis Fernandez-Luque, and Manuel Armayones. 2012. "Social Media in Health--What Are the Safety Concerns for Health Consumers?" *Health Information Management: Journal of the Health Information Management Association of Australia* 41 (2): 30–35. <https://www.ncbi.nlm.nih.gov/pubmed/23705132>.
- Lee, Nicole M., Matthew S. VanDyke, and R. Glenn Cummins. 2018. "A Missed Opportunity?: NOAA's Use of Social Media to Communicate Climate Science." *Environmental Communication* 12 (2): 274–83. <https://doi.org/10.1080/17524032.2016.1269825>.
- Lindsay, Bruce R. 2011. "Social Media and Disasters: Current Uses, Future Options, and Policy Considerations." Report. Washington, D.C.: University of North Texas. <https://digital.library.unt.edu/ark:/67531/metadc93902/>.
- Loos, Amber T. 2013. "Health Literacy Missouri: Evaluating a Social Media Program at a Health Literacy Organization." *Journal of Consumer Health On the Internet* 17 (4): 389–96. <https://doi.org/10.1080/15398285.2013.836940>.
- Manca, S., and M. Ranieri. 2016. "Is Facebook Still a Suitable Technology-Enhanced Learning Environment? An Updated Critical Review of the Literature from 2012 to 2015: Is Facebook a Suitable TEL Environment?" *Journal of Computer Assisted Learning* 32 (6): 503–28. <https://doi.org/10.1111/jcal.12154>.
- Mcbride, Jessica. 2017. "Using Social Media to Take on Climate Change." *Phys Org*. October 4, 2017. <https://phys.org/news/2017-10-social-media-climate.html>.
- McClain, Craig, and Liz Neeley. 2016. "A Critical Evaluation of Science Outreach via Social Media: Its Role and Impact on Scientists." *F1000Research*, 1–12. <https://doi.org/10.12688/f1000research.5918.2>.
- Merolli, Mark, Kathleen Gray, and Fernando Martin-Sanchez. 2013. "Health Outcomes and Related Effects of Using Social Media in Chronic Disease Management: A Literature Review and Analysis of Affordances." *Journal of Biomedical Informatics* 46 (6): 957–69. <https://doi.org/10.1016/j.jbi.2013.04.010>.
- Michaels, Patrick J., and Paul C. "Chip" Knappenberger. 2013. "A Case Study of How the Media Influences Popular Perception of Science." Cato Institute. February 28, 2013. <https://www.cato.org/blog/case-study-how-media-influences-popular-perception-science>.
- Moll, Rachel, and Wendy Nielsen. 2017. "Development and Validation of a Social Media and Science Learning Survey." *International Journal of Science Education, Part B* 7 (1): 14–30. <https://doi.org/10.1080/21548455.2016.1161255>.
- Moorhead, S Anne, Diane E Hazlett, Laura Harrison, Jennifer K Carroll, Anthea Irwin, and Ciska Hoving. 2013. "A New Dimension of Health Care: Systematic Review of the Uses, Benefits, and Limitations of Social Media for Health Communication." *Journal of Medical Internet Research* 15 (4): e85. <https://doi.org/10.2196/jmir.1933>.
- Moran, Mike, Jeff Seaman, and Hester Tinti-Kane. 2011. "How Today's Higher Education Faculty Use Social Media." Pearson Learning Solutions, the Babson Survey Research Group, and Converseon. <https://eric.ed.gov/?id=ED535130>.
- "How Social Media Can Support Science and Digital Literacy." 2014. NOVA. August 28, 2014. <https://www.pbs.org/wgbh/nova/article/how-social-media-can-support-science-and-digital-literacy/>.
- Olson, Bethany. 2012. "Is Social Media the Most Important New Tool for Agriculture?" *Feed & Grain Magazine*. August 9, 2012. <http://www.feedandgrain.com/magazine/is-social-media-the-most-important-new-tool-for-agriculture>.

- Owiny, Sylvia A., Khanjan Mehta, and Audrey N. Maretzki. 2014. "The Use of Social Media Technologies to Create, Preserve, and Disseminate Indigenous Knowledge and Skills to Communities in East Africa." *International Journal of Communication* 8 (0): 14. <https://ijoc.org/index.php/ijoc/article/view/1667>.
- Ozkula, Suay M. 2017. "The Challenges of Social Media for Climate Change Experts." *Medium* (blog). May 18, 2017. <https://medium.com/making-climate-social/the-challenges-of-social-media-for-climate-change-experts-21221502db46>.
- Paddock, Alexandra. 2012. "Improving Public Understanding of Science: Social Media and Digital Technologies | Case Studies from Academic IT." University of Oxford. *Case Studies from Academic IT* (blog). October 20, 2012. <https://blogs.it.ox.ac.uk/ltg-casestudies/2012/10/20/improving-public-understanding-of-science-social-media-and-digital-technologies/>.
- Prakoso, Septyanto Galan, Monika Sri Yulianti, and Likha Sari Anggreni. 2017. "The Importance of Social Media Literacy for Students in Globalization Age." *KnE Social Sciences* 2 (4): 191. <https://doi.org/10.18502/kss.v2i4.886>.
- Ramasubbu, Suren. 2016. "Social Media in Science." *Huffington Post* (blog). September 12, 2016. https://www.huffingtonpost.com/entry/social-media-in-science_us_57c8fbcde4b07addc411f6ec.
- Roberts, Michelle, Lizz Callahan, and Catina O'Leary. 2017. "Social Media: A Path to Health Literacy." *Studies in Health Technology and Informatics* 240: 464–75. <https://www.ncbi.nlm.nih.gov/pubmed/28972534>.
- Russo, Angelina, Jerry Watkins, and Susan Groundwater-Smith. 2009. "The Impact of Social Media on Informal Learning in Museums." *Educational Media International* 46 (2): 153–66. <https://doi.org/10.1080/09523980902933532>.
- Rutsaert, Pieter, Zuzanna Pieniak, Áine Regan, Áine McConnon, Margôt Kuttschreuter, Mònica Lores, Natàlia Lozano, Antonella Guzzon, Dace Santare, and Wim Verbeke. 2014. "Social Media as a Useful Tool in Food Risk and Benefit Communication? A Strategic Orientation Approach." *Food Policy* 46 (June): 84–93. <https://doi.org/10.1016/j.foodpol.2014.02.003>.
- Schein, Rebecca, Kumanan Wilson, and Jennifer E. Keelan. 2010. *Literature Review on Effectiveness of the Use of Social Media: A Report for Peel Public Health*. Brampton, Ontario: Peel Public Health. <https://www.peelregion.ca/health/resources/pdf/socialmedia.pdf>.
- Sidorova, Yulia, Michela Arnaboldi, and Jacopo Radaelli. 2016. "Social Media and Performance Measurement Systems: Towards a New Model?" *International Journal of Productivity and Performance Management* 65 (2): 139–61. <https://doi.org/10.1108/IJPPM-06-2014-0084>.
- Simis-Wilkinson, Molly, Haley Madden, David Lassen, Leona Yi-Fan Su, Dominique Brossard, Dietram A. Scheufele, and Michael A. Xenos. 2018. "Scientists Joking on Social Media: An Empirical Analysis of #overlyhonestmethods." *Science Communication* 40 (3): 314–39. <https://doi.org/10.1177/1075547018766557>.
- "Social Media for Scientists - How to Promote Your Research." 2016. ASM on Demand. March 22, 2016. <https://www.asm.org/index.php/asm-video-on-demand/science-skills-videos/social-media-for-scientists-videos/item/5285-social-media-for-scientists-how-to-promote-your-research>.
- Swan, Kayla. 2017. "Gaining Perspective: Social Media's Impact on Adolescent Literacy Development." Master's thesis, New York, USA: Department of Education of The College at Brockport, State University of New York. https://digitalcommons.brockport.edu/cgi/viewcontent.cgi?article=1801&context=ehd_theses.
- Taggart, Tamara, Mary Elisabeth Grewe, Donaldson F Conserve, Catherine Gliwa, and Malika Roman Isler. 2015. "Social Media and HIV: A Systematic Review of Uses of Social Media in HIV Communication." *Journal of Medical Internet Research* 17 (11): e248. <https://doi.org/10.2196/jmir.4387>.

- Tennant, Bethany, Michael Stellefson, Beth Chaney, Don J. Chaney, and Virginia Dodd. 2013. "Social Media for Health Information Among Older Adults in the State of Florida." BEBR: Bureau of Economic and Business Research. August 5, 2013. <https://www.bibr.ufl.edu/survey/website-article/social-media-health-information-among-older-adults-state-florida>.
- Thornton, Gail. 2017. "Does Social Media Enhance Your Knowledge About Health Care?" *Medium* (blog). January 22, 2017. <https://medium.com/thrive-global/does-social-media-enhance-your-knowledge-about-health-care-59ed3cba2205>.
- Tyrrell, Kelly April. 2016. "From Public Outreach to Peer Review, Scientists Find Value in Social Media." *Science*. Phys Org. December 13, 2016. <https://phys.org/news/2016-12-outreach-peer-scientists-social-media.html>.
- Van Noorden, Richard. 2014. "Online Collaboration: Scientists and the Social Network." *Nature* 512 (7513): 126–29. <https://doi.org/10.1038/512126a>.
- Wangu, Kuris Catherine. 2014. "Use of Social Media as a Source of Agricultural Information by Small Holder Farmers; a Case Study of Lower Kabete, Kiambu County." Master's thesis, Nairobi, Kenya: University of Nairobi. <http://hdl.handle.net/11295/76029>.
- Weingart, Peter, and Lars Guenther. 2016. "Science Communication and the Issue of Trust." *Journal of Science Communication* 15 (05): 11. <https://doi.org/10.22323/2.15050301>.
- Welch, V., J. Petkovic, J. Pardo Pardo, T. Rader, and P. Tugwell. 2016. "Interactive Social Media Interventions to Promote Health Equity: An Overview of Reviews." *Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice* 36 (4): 63–75. <https://www.ncbi.nlm.nih.gov/pubmed/27077792>.
- White, Russ. 2018. "Christine Greenhow: Exploring How Social Media Impact Learning." WKAR: Public Media from Michigan State University. March 15, 2018. <http://www.wkar.org/post/christine-greenhow-exploring-how-social-media-impact-learning>.
- Zhu, Yimei, and Kingsley Purdam. 2017. "Social Media, Science Communication and the Academic Super User in the United Kingdom." *First Monday* 22 (11). <https://doi.org/10.5210/fm.v22i11.7866>.