

# BRM5520 Research Methodology and Advances in Biosciences

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@inbook{Divan\_2009, address={Oxford}, title={Writing a research proposal. In: Divan, A. Communication Skills for the Biosciences: a Graduate Guide}, url={https://contentstore.cla.co.uk/secure/link?id=849636a0-c9d9-e711-80cd-005056af4099}, booktitle={Communication skills for the biosciences: a graduate guide}, publisher={Oxford University Press}, author={Divan, Aysha}, year={2009}, pages={112-143} }

@book{Gratton\_Jones\_2010, address={London}, edition={2nd ed}, title={Research methods for sports studies}, publisher={Routledge}, author={Gratton, Chris and Jones, Ian}, year={2010} }

@article{H. Charles J. Godfray\_2010, title={Food Security: The Challenge of Feeding 9 Billion People}, volume={327}, url={http://www.jstor.org/stable/40509896}, number={5967}, journal={Science}, publisher={American Association for the Advancement of Science}, author={H. Charles J. Godfray}, year={2010}, pages={812-818} }

@book{Holmes\_Moody\_Dine\_2011, address={Oxford}, edition={2nd ed}, title={Research methods for the biosciences}, publisher={Oxford University Press}, author={Holmes, D. and Moody, P. and Dine, D.}, year={2011} }

@article{Khush\_2001, title={TIMELINE: Green revolution: the way forward}, volume={2}, DOI={10.1038/35093585}, number={10}, journal={Nature Reviews Genetics}, author={Khush, Gurdev S.}, year={2001}, month=oct, pages={815-822} }

@article{Mark Tester\_2010, title={Breeding Technologies to Increase Crop Production in a Changing World}, volume={327}, url={http://www.jstor.org/stable/40509897}, number={5967}, journal={Science}, publisher={American Association for the Advancement of Science}, author={Mark Tester}, year={2010}, pages={818-822} }

@inbook{Muir-Leresche\_Coe, title={Your research proposal - hypotheses, objectives and research questions}, url={http://www.ruforum.org/sites/default/files/GEAR/menu/}, booktitle={GEAR, Graduate Environmental and Agricultural Research: A Guide to Effective and Relevant Graduate Research in Africa}, author={Muir-Leresche, K. and Coe, R.}, editor={Muir-Leresche, K and Coe, R and Ekwamu, Adipala} }

@book{Organisation for Economic Co-operation and Development\_2002a, address={Paris}, title={Frascati manual 2002: proposed standard practice for surveys on research and experimental development : the measurement of scientific and technological activities, Proposed Standard Practice for Surveys on Research and Experimental

Development}, publisher={Organisation for Economic Co-operation and Development},  
author={Organisation for Economic Co-operation and Development}, year={2002} }

@book{Organisation for Economic Co-operation and Development\_2002b,  
address={Paris}, title={Frascati manual 2002: proposed standard practice for surveys on  
research and experimental development : the measurement of scientific and technological  
activities, Proposed Standard Practice for Surveys on Research and Expirimental  
Development}, publisher={Organisation for Economic Co-operation and Development},  
author={Organisation for Economic Co-operation and Development}, year={2002} }

@article{Pete Smith, Daniel Martino, Zucong Cai, Daniel Gwary, Henry Janzen, Pushpam  
Kumar, Bruce McCarl, Stephen Ogle, Frank O'Mara, Charles Rice, Bob Scholes, Oleg  
Sirotenko, Mark Howden, Tim McAllister, Genxing Pan, Vladimir Romanenkov, Uwe  
Schneider, Sirintornthep Towprayoon, Martin Wattenbach and Jo Smith\_2008,  
title={Greenhouse Gas Mitigation in Agriculture}, volume={363},  
url={http://www.jstor.org/stable/20208468?seq=1#page\_scan\_tab\_contents},  
number={1492}, journal={Philosophical Transactions: Biological Sciences}, author={Pete  
Smith, Daniel Martino, Zucong Cai, Daniel Gwary, Henry Janzen, Pushpam Kumar, Bruce  
McCarl, Stephen Ogle, Frank O'Mara, Charles Rice, Bob Scholes, Oleg Sirotenko, Mark  
Howden, Tim McAllister, Genxing Pan, Vladimir Romanenkov, Uwe Schneider, Sirintornthep  
Towprayoon, Martin Wattenbach and Jo Smith}, year={2008}, pages={789-813} }

@book{Resnik\_1998, address={London}, title={The ethics of science: an introduction},  
publisher={Routledge}, author={Resnik, David B.}, year={1998} }

@book{Rugg\_Petre\_ebrary, Inc\_2007, address={Maidenhead}, title={A gentle guide to  
research methods}, url={http://site.ebrary.com/lib/aber/Doc?id=10197031},  
publisher={Open University Press}, author={Rugg, Gordon and Petre, Marian and ebrary,  
Inc}, year={2007} }

@book{Shamoo\_Resnik\_ebrary, Inc\_2009, address={Oxford}, edition={2nd ed},  
title={Responsible conduct of research},  
url={http://site.ebrary.com/lib/aber/Doc?id=10279031}, publisher={Oxford University  
Press}, author={Shamoo, Adil E. and Resnik, David B. and ebrary, Inc}, year={2009} }

@article{Stoate\_Báldi\_Beja\_Boatman\_Herzon\_van Doorn\_de Snoo\_Rakosy\_Ramwell\_2009,  
title={Ecological impacts of early 21st century agricultural change in Europe - A review},  
volume={91}, DOI={10.1016/j.jenvman.2009.07.005}, number={1}, journal={Journal of  
Environmental Management}, author={Stoate, C. and Báldi, A. and Beja, P. and Boatman,  
N.D. and Herzon, I. and van Doorn, A. and de Snoo, G.R. and Rakosy, L. and Ramwell, C.},  
year={2009}, month=oct, pages={22-46} }

@book{Wilson\_1952, address={New York}, title={An introduction to scientific research},  
volume={McGraw-Hill paperbacks}, publisher={McGraw-Hill}, author={Wilson, E. Bright},  
year={1952} }

@book{Wilson\_2013, address={London}, title={Consilience: the unity of knowledge},  
publisher={Abacus}, author={Wilson, Edward O.}, year={2013} }

@misc{How simple ideas lead to scientific discoveries - Adam Savage | TED-Ed,  
url={http://ed.ted.com/lessons/how-simple-ideas-lead-to-scientific-discoveries} }

@misc{Naomi Oreskes: Why we should trust scientists | TED Talk Subtitles and Transcript | TED.com,  
url={ http://www.ted.com/talks/naomi\_oreskes\_why\_we\_should\_believe\_in\_science/transcript} }

@misc{big pharma â❖❖ Bad Science,  
url={ http://www.badscience.net/category/big-pharma/} }

@misc{15 Steps to Good Research | Georgetown University Library,  
url={ http://www.library.georgetown.edu/tutorials/research-guides/15-steps} }

@misc{Planning a dissertation research project,  
url={ http://studyskills.bangor.ac.uk/study%20guides/dissertation\_project.php.en} }

@article{LibGuides: Selecting a Research Topic: Overview,  
url={ http://libguides.mit.edu/c.php?g=175961&p=1160010} }

@misc{ http://www.ruforum.org/sites/default/files/GEAR/chapters/GEAR\_1.2.pdf }

@misc{EndNote,  
url={ https://www.myendnoteweb.com/EndNoteWeb.html?SID=S2ftb9prNZp1mJCDVTu&returnCode=ROUTER.Success&SrcApp=CR&Init=Yes} }

@misc{An-introduction-to-literature-reviews.pdf,  
url={ http://www.aut.ac.nz/\_\_data/assets/pdf\_file/0005/360509/An-introduction-to-literature-reviews.pdf} }

@misc{Literature Review (Review of Related Literature - Research Methodologâ❖!,  
url={ http://www.slideshare.net/dilipbarad/literature-review-review-of-related-literature-research-methodology?next\_slideshow=1} }

@misc{Literature review - OWLL - Massey University,  
url={ http://owll.massey.ac.nz/assignment-types/literature-review.php} }

@misc{Improving your reading skills,  
url={ http://studyskills.bangor.ac.uk/study%20guides/improve\_reading\_skills.php.en} }

@misc{Critical reading techniques - Skills for OU Study - Open University,  
url={ http://www2.open.ac.uk/students/skillsforstudy/critical-reading-techniques.php} }

@misc{What is Critical Reading?,  
url={ http://studyskills.bangor.ac.uk/study%20guides/critical\_reading.php.en} }

@misc{Note Making,  
url={ http://studyskills.bangor.ac.uk/study%20guides/note-making.php.en} }

@misc{References and bibliographies,  
url={ http://studyskills.bangor.ac.uk/study%20guides/referencing\_bibliographies.php.en} }

@misc{6 tips on how scientists and engineers can excite, rather than bore, an audience |

TED Blog,

url={ <http://blog.ted.com/6-tips-on-how-scientists-and-engineers-can-excite-rather-than-bore-an-audience/> } }

@misc{Planning a dissertation research project,

url={ [http://studyskills.bangor.ac.uk/study%20guides/dissertation\\_project.php.en](http://studyskills.bangor.ac.uk/study%20guides/dissertation_project.php.en) } }

@misc{GEAR 2.1:GEAR - GEAR, part 2-How to approach academic research.pdf,

url={ <http://repository.ruforum.org/sites/default/files/GEAR%2C%20part%202-How%20to%20approach%20academic%20research.pdf> } }

@misc{Oxford University Press | Online Resource Centre | Holmes, Moody & Dine:  
Research Methods for the Biosciences 2e,

url={ [http://global.oup.com/uk/orc/biosciences/exp\\_design/holmes2e/](http://global.oup.com/uk/orc/biosciences/exp_design/holmes2e/) } }

@misc{Aberystwyth University - Regulation on Unacceptable Academic Practice,

url={ <https://www.aber.ac.uk/en/academic-registry/handbook/regulations/uap/> } }

@misc{Moral Obligations of Researchers in the Natural Sciences | Environmental  
Research in Delaware,

url={ <http://www.epscor.udel.edu/moral-obligations-of-researchers-in-the-natural-sciences> } }

@misc{What is Ethics in Research & Why is it Important?,

url={ <http://www.niehs.nih.gov/research/resources/bioethics/whatis/> } }

@misc{Gene Therapy Researcher Faked Data | The Scientist Magazine®,

url={ <http://www.the-scientist.com/?articles.view/articleNo/39825/title/Gene-Therapy-Researcher-Faked-Data/> } }

@misc{Experimental-work-involving-animals-at-Aberystwyth-University-En-v-1.pdf,

url={ <http://www.aber.ac.uk/en/media/departmental/researchoffice/researchethics-animals/Experimental-work-involving-animals-at-Aberystwyth-University-En-v-1.pdf> } }

@misc{Animal research and testing - GOV.UK,

url={ <https://www.gov.uk/government/policies/animal-research-and-testing> } }

@misc{Animals (Scientific Procedures) Act 1986,

url={ <http://www.legislation.gov.uk/ukpga/1986/14/contents> } }

@misc{INDG163 - Five steps to risk assessment - indg163(v2).pdf,

url={ [http://www.aber.ac.uk/en/media/departmental/healthsafetyenvironment/riskassessment/indg163\(v2\).pdf](http://www.aber.ac.uk/en/media/departmental/healthsafetyenvironment/riskassessment/indg163(v2).pdf) } }

@misc{Aberystwyth University - Risk Assessment,

url={ <http://www.aber.ac.uk/en/hse/proc-prac/risk-assessment/> } }

@misc{Agriculture health and safety, farming industry help and advice,

url={ <http://www.hse.gov.uk/agriculture/> } }

@misc{HSE Bookfinder - manhndlng\_farms-as23rev.pdf,

url= { [http://www.aber.ac.uk/en/media/departmental/healthsafetyenvironment/manhndlng\\_farms-as23rev.pdf](http://www.aber.ac.uk/en/media/departmental/healthsafetyenvironment/manhndlng_farms-as23rev.pdf) } }

@misc{guidance\_note\_-\_general\_health\_and\_safety\_in\_research\_laboratories.pdf,  
url= { [http://www2.warwick.ac.uk/services/healthsafetywellbeing/guidance/labs\\_workshops\\_stores/guidance\\_note\\_-\\_general\\_health\\_and\\_safety\\_in\\_research\\_laboratories.pdf](http://www2.warwick.ac.uk/services/healthsafetywellbeing/guidance/labs_workshops_stores/guidance_note_-_general_health_and_safety_in_research_laboratories.pdf) } }

@misc{Aberystwyth University - Research Ethics,  
url= { <https://www.aber.ac.uk/en/rbi/staff-students/ethics/> } }

@misc{Admin Panel,  
url= { <https://www.aber.ac.uk/en/rbi/staff-students/ethics/application/user/login> } }