Editing documents in LaTeX within GSK – Deepak’s tips and tricks (detail).

Software needed to install:

* MikTeX <http://miktex.org/download> (basic install)
* Git bash for Windows: <https://git-for-windows.github.io/>
* Mendeley Desktop: <https://www.mendeley.com/download-mendeley-desktop/windows/instructions/>

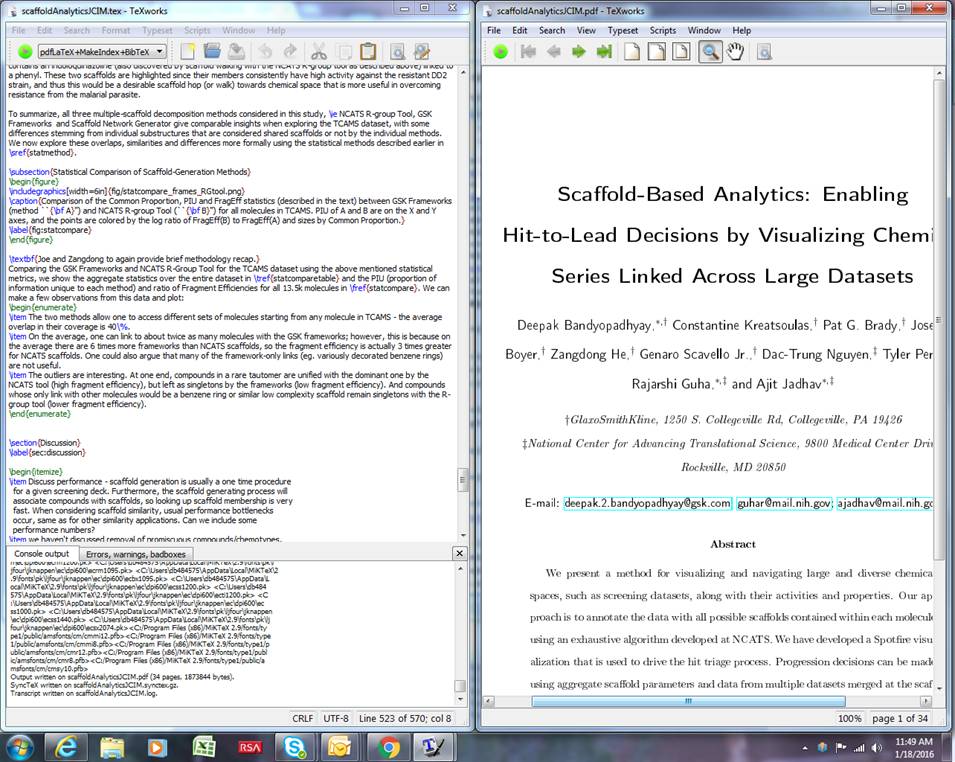
Commands and Workflow:

* Initialize your NIH Gitlab account based on the email you’ve received from NCATS.
  + From: **Nguyen, Dac-Trung (NIH/NCATS) [E]** <[nguyenda@mail.nih.gov](mailto:nguyenda@mail.nih.gov)>  
    He can’t use ssh.. he needs to create a local password and use https. Click on the “Forgot password” at the login screen (logout first). gitlab will then send him an email that he can click to specify the local password. This is the password that he’ll need to use over https.
  + At the end of this you’ll have three pieces of info some of which you’ll need in the next step:
    - <NIHemail>: (eg. [debug22@gmail.com](mailto:debug22@gmail.com)) is used to log in to spotlite.nih.gov
    - <NIHname> is the login ID (eg. debug22) used to clone the repo… crucial that this is one word and does not contain an @ (is not your email address).
    - <NIHpass> is the password you set in the step above
* In Git Bash:
  + cd <paper directory> - for me it’s /c/Users/db484575/Documents/GSKproj/ScaffoldTriage/paper
  + git init
  + git config --global user.name <NIHname>
  + git config --global user.email <NIHemail>
  + git remote add origin https://spotlite.nih.gov/ncats/scaffoldanalytics.git
* When you’re on the GSK network you’ll need to set the proxy as shown in this link [configuring git to run over a username-password authenticated HTTP(S) proxy](http://stackoverflow.com/questions/783811/getting-git-to-work-with-a-proxy-server).
  + git config --global http.proxy http://<mudID>:<gskpasswd>@gskproxy.gsk.com:800
  + git config --global https.proxy https://<mudID>:<gskpasswd>@gskproxy.gsk.com:800
* When you’re off the GSK network you can unset these proxies if they are not working
  + git config --unset http.proxy ; git config --unset https.proxy
* To create local copy of repository:
  + First time:   
    git clone [https://<NIHname>:<NIHpass>@spotlite.nih.gov/ncats/scaffoldanalytics.git](https://%3cNIHname%3e:%3cNIHpass%3e@spotlite.nih.gov/ncats/scaffoldanalytics.git)
  + cd scaffoldanalytics
  + Updates:   
    git fetch  
    git pull (which is git fetch followed by git merge)
  + There are *many* other commands, esp. if conflicts delevop between local/remote or you need to roll back a version. Look up as needed!
* To upload changes you’ve made, say to file scaffoldanalyticsJCIM.tex
  + git add scaffoldanalyticsJCIM.tex
  + git commit –m “added stats section”
  + git push
* Refresh the repository URL in your browser to ensure the commit went through:

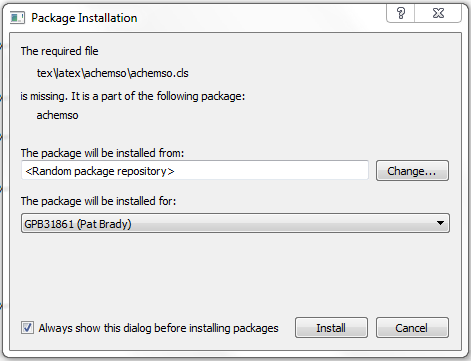
<https://spotlite.nih.gov/ncats/scaffoldanalytics>

Screen shots:

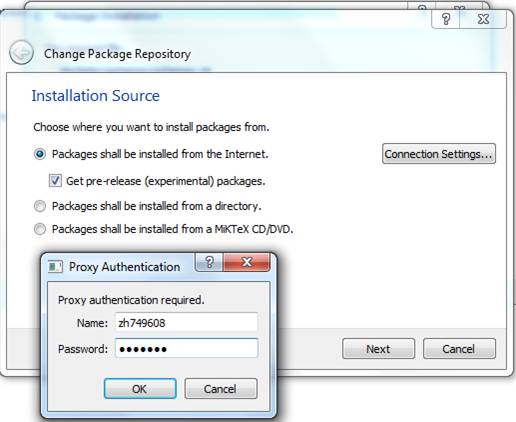
MikTeX (you should just have to hit the green arrow to compile):



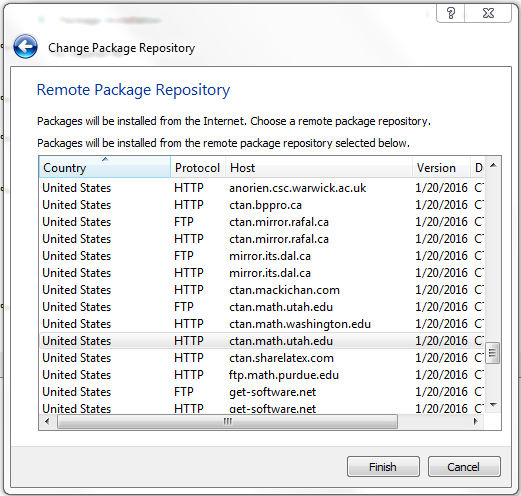
First time a missing package is found, you’ll see this screen:



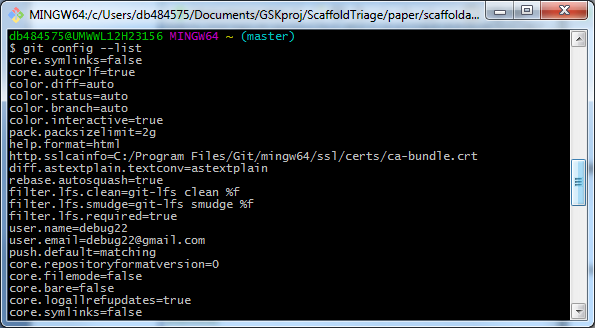
Change it to Internet and set the Proxy in the connection settings as gskproxy.gsk.com, port 800, Authentication required:



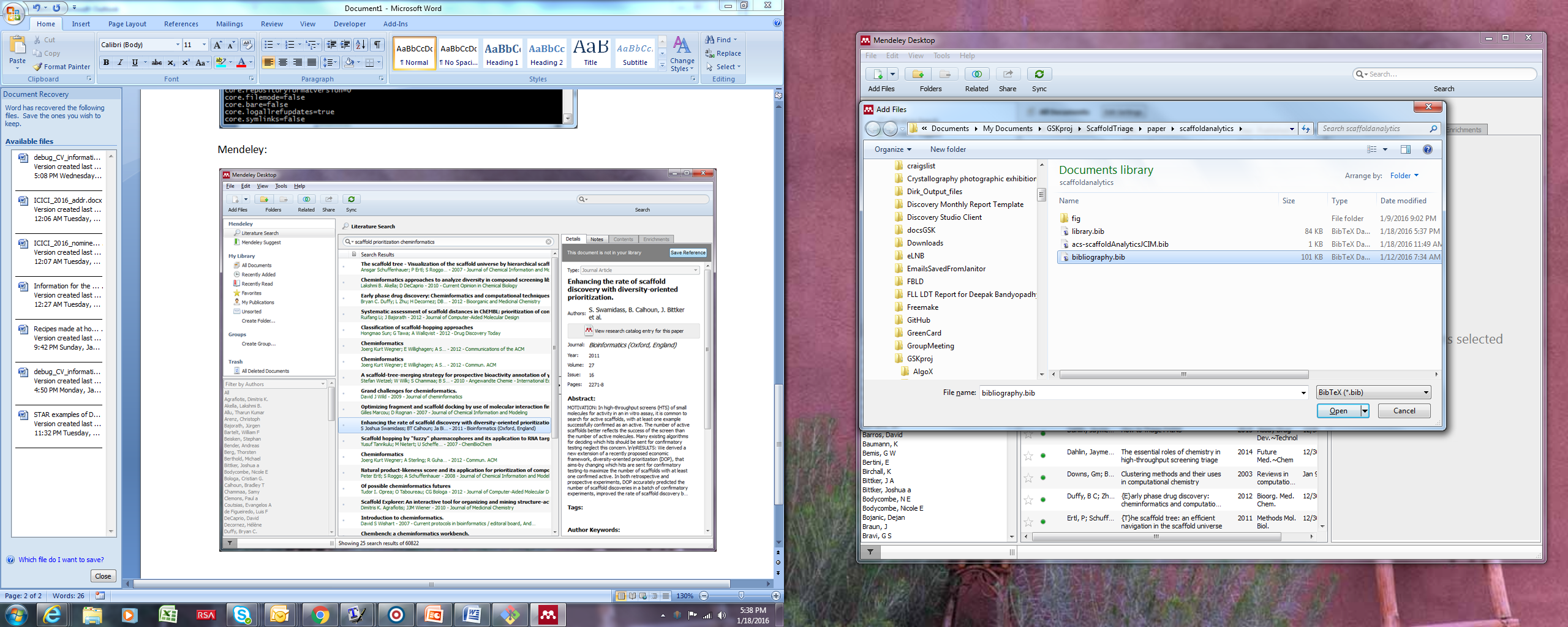
If everything worked, you’ll see a list of CTAN mirrors. Choose a US mirror and the package should download. This should happen automatically for subsequent packages.



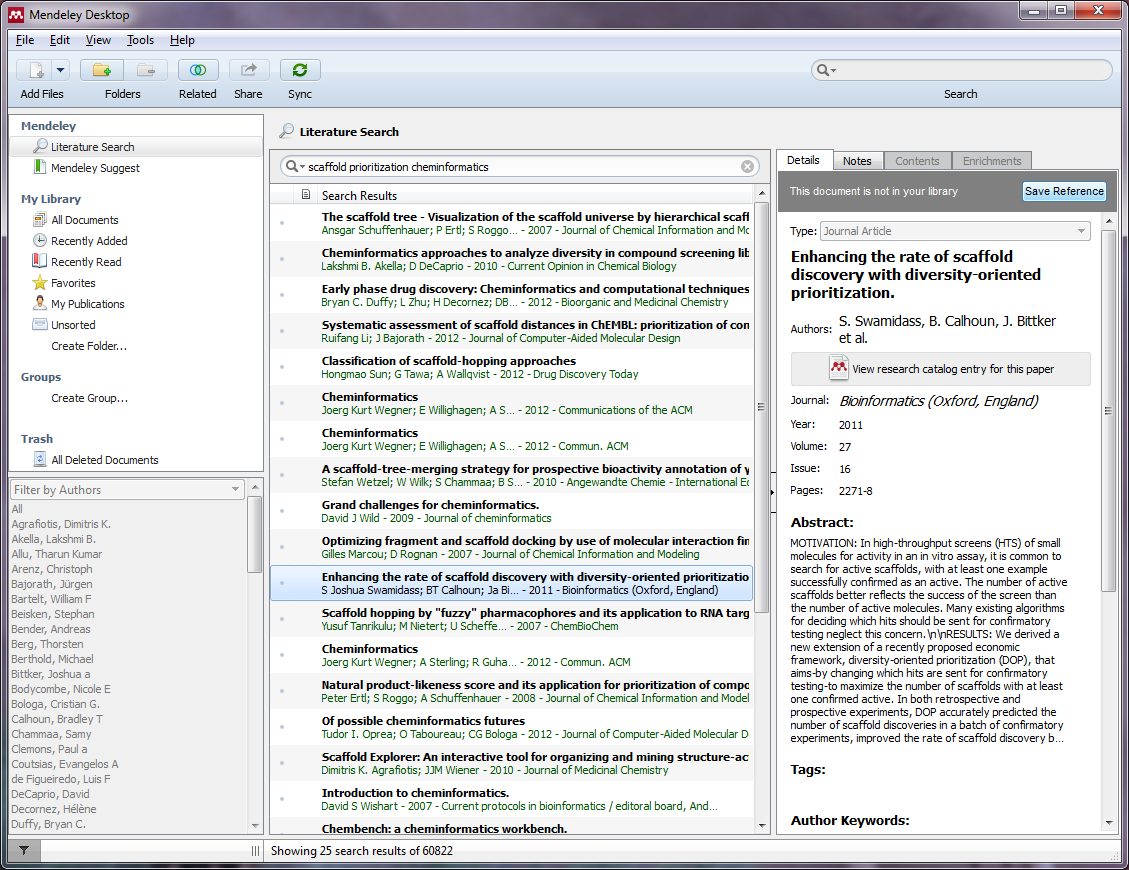
Git bash:



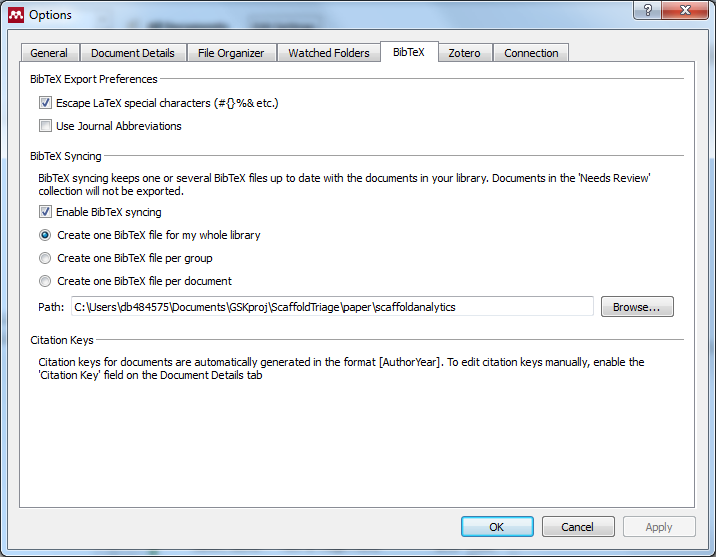
Mendeley importing bibliography:



Mendeley adding reference:



Mendeley options to enable Sync/export to Bibtex:



Mendeley proxy server (use when on GSK network – in the pic below I’ve turned them off and using from home):

