

Annex 4

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| Phd in | Chemical and Pharmaceutical Sciences |
| Coordinator | Maurizio Taddei <maurizio.taddei@unisi.it> |
| Dipartimento | Dipartimento di Biotecnologie, Chimica e Farmacia DBCF |
| Posti da bandire | 12 |
| of which: | |

| | n. | Funding institution(s) | Research topic |
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| Positions with scholarship | | | |
| A. | 3 | University of Siena/DBCF (Rossi) | Bioactive molecules from plant sources |
| B. | 1 | University of Siena/DBCF (Butini) | Enzyme inhibitor development |
| C. | 1 | University of Siena/DBCF (Mori) | Computational methodologies applied to drug design |
| D. | 1 | DBCF (Manetti-Tafi) | Design and synthesis of ADCs for antiviral therapy |
| E. | 1 | University of Siena/DBCF/CNR-ICCOM | Energy production and storage materials through catalysis, electrocatalysis, and photocatalysis |
| F. | 1 | University of Siena/DBCF/CNR-ICCOM | Innovative energy materials |
| Positions with DM 351 scholarship | | | |
| G. | 1 | MUR/ University of Siena | PNRR research: Sustainable approaches to bioconjugation processes |
| Positions with DM 352 scholarship | | | |
| H. | 1 | MUR/Dipharma Francis | Development of catalytic methodologies for the synthesis of high value-added molecules |
| Positions without scholarship | | | |
| I. | 2 | // | No research topic restriction |

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| Type of rankings | <ul style="list-style-type: none"> Single ranking list for all positions with scholarship and suggested research topic and positions without scholarship (positions A-F & I) Stand-alone ranking list for the position with DM 351 scholarship (position G) Stand-alone ranking list for the position with DM 352 scholarship (position H) |
| Documents required for evaluation (to be attached during online application) | <ul style="list-style-type: none"> Curriculum vitae et studiorum, containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project in English language (max. 3 pages) Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max. 1 page) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 October 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 October 2022). <p>Candidates who achieved (or will achieve by 31 October 2022) their degree at a foreign</p> |

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| | <p>university (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> 1. University issuing the title 2. type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> 3. date of obtaining the title and final vote or expected date of obtaining the title (by 31 October 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available). |
| Web site for further information | https://www.dbcf.unisi.it/it/didattica/post-laurea/dottorati-di-ricerca/dottorato-di-ricerca-chemical-and-pharmaceutical-scienc-0 |
| Selection modalities | <p>Evaluation of qualifications</p> <p>Oral examination with English language test</p> |
| Admission requirements | All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>) |
| Exam procedures | <p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications. Candidates are not allowed to be present during the evaluation.</p> <p>A minimum of 20 points is required for admission to the oral test in English; the maximum score is 40 points.</p> <p>Oral examination: the examination is aimed at assessing the basic preparation acquired, the candidate's ability and aptitude for scientific research, and knowledge and skills in subjects related to the themes of the projects.</p> <p>The English language test is concurrent with the oral examination and consists of immediate reading and translation of a scientific text in English. A minimum of 40 points is required to pass the oral examination and English language test; the maximum score is 60 points.</p> <p>The results of each test will be published on the PhD website.</p> |
| Dates of evaluation and exam(s) | <p>Evaluation of qualifications: 6 September 2022</p> <p>Oral examination and English language test: 8 September 2022, 9.00 hrs Polo Didattico di San Miniato, Via A. Moro 2, Siena</p> |
| Selection committee | The composition of the committee will be published after the deadline for application. |