

**FEDERAL UNIVERSITY OF VIÇOSA**  
**POSTGRADUATE PROGRAM IN SOILS AND PLANT NUTRITION**

**CALL 01/2026 SNP**

**SELECTION OF CANDIDATES FOR MASTER'S AND DOCTORATE SECOND  
SEMESTER OF 2026**

The Postgraduate Program in Soils and Plant Nutrition of the Federal University of Viçosa (SNP-UFV) announces the opening of the selection process for the Master's and Doctoral programs for the second semester of 2026 (2026-II).

The selection of candidates will be carried out by the Coordinating Committee of the SNP-UFV, subject to approval by the Postgraduate Council of the Dean of Research and Postgraduate Studies of UFV.

The selection process follows the General Notice for Enrollment in Stricto Sensu Postgraduate Programs at UFV. The document is available at: <https://ppg.ufv.br/edital-geral-2026-1-e-2026-2/>

It is the candidates' responsibility to verify the information related to this selection process that is published in the General Notice of UFV (previous paragraph) and on the web page of the Postgraduate Program in Soils and Plant Nutrition of the Federal University of Viçosa (<https://possolos.ufv.br/en/>).

Admission will take place respecting the Postgraduate School Calendar of UFV, available on the School Registry website ([www.res.ufv.br](http://www.res.ufv.br)).

## 1. VACANCIES

1.1 The selection process aims to fill 4 (four) vacancies for the Master's degree and 4 (four) vacancies for the Doctorate.

1.2 The vacancies will be distributed according to the SNP-UFV Selection Groups:

	Vacancies	
	Master's	Doctorate
Group 1	1	1
Group 2	1	1
Group 3	1	1
Vacancies reserved <sup>(a)</sup>	1	1
<b>Total</b>	<b>4</b>	<b>4</b>

(a) According to CEPE-UFV Resolution 08/2019 (<https://soc.ufv.br/wp-content/uploads/08-2019-CEPE-Acoes-Afirmativas-Pos.pdf>),

considering the provisions of Arts. 3, 5, and 206 of the 1988 Constitution of the Federative Republic of Brazil, Law No. 9.934 of 1996, Law No. 12.711 of 2012; Law No. 13.409 of 2016, Law No. 13.146 of 2015, Law 12.764 of 2012, and Decree No. 3.298 of 1999, and MEC Normative Ordinance No. 13 of 2016.

1.3 Candidates for vacancies reserved for black (black and brown) people, indigenous people, and people with disabilities must necessarily indicate the SNP-UFV Selection Group in which they intend to compete. The vacancies reserved for UFV Affirmative Policies will be exclusive to Brazilian and naturalized foreign candidates.

1.4 All procedures for registration purposes in this selection process for candidates who choose to access vacancies via UFV Affirmative Policies, as well as the requirements, documents, and other requirements for eventual subsequent enrollment in the Program, are contained in CEPE-UFV Resolution 08/2019 (<https://soc.ufv.br/wp-content/uploads/08-2019-CEPE-Acoes-Afirmativas-Pos.pdf>) and the General Notice for Enrollment in Stricto Sensu Postgraduate Programs at UFV (<https://ppg.ufv.br/edital-geral-2026-1-e-2026-2/>), being the candidates' sole responsibility to read and fully observe them. The selection of candidates for reserved vacancies will follow the provisions of Article 8 of said Resolution, and the candidate will be directed to the Selection Group chosen at the time of registration.

1.5 All candidates for the master's and doctorate must be professionals holding a diploma or completing an undergraduate course (for Master's) or a Master's (for Doctorate).

1.6 Approval in this selection process does not configure an a priori guarantee, promise, or commitment of call for enrollment nor of granting scholarships now or in the future.

1.7 Possible delays in the start of receiving scholarships may occur depending on the release from funding agencies. As the scholarships are released, they will be passed on to those enrolled, in accordance with the granting criterion based on the highest final general grade (NFG).

1.8 A larger number of summons for enrollment may occur, depending on the availability of scholarships in the Program, or resulting from the selection of candidates with an employment relationship and who do not depend on SNP-UFV scholarships, in addition to scholarships from advisor professors' projects, at the discretion of the Program Coordination, provided they reach the minimum score for classification.

1.9 Candidates who indicate "Own Resources" in the Funding Source tab of the registration system must present an orientation acceptance letter from an SNP advisor professor, as a requirement for registration, according to the model available on the program's website. Each professor may provide a maximum of one letter for a candidate who indicates "Own Resources", up to a limit of two letters per group.

1.10 The calling of alternates due to the withdrawal of approved candidates or the offer of new scholarships is the exclusive prerogative of the SNP-UFV Coordination, with no appeal against this decision nor configuring any type of previously assumed obligation. In this process of calling alternates, what is indicated in CEPE-UFV Resolution 08/2019 for reserved vacancies will be respected.

1.11 Failure to attend on the day of enrollment or lack of documents required for enrollment entails the loss of the vacancy in the selection process. The SNP and UFV are not responsible for eventual delays in the completion of undergraduate and master's courses and approval in this contest does not guarantee future vacancies in subsequent semesters.

1.12 Candidates approved for the doctorate may request entry in a continuous process with reservation of a vacancy. The reservation of a vacancy for a candidate approved for the doctorate will only be granted if there are no alternates of the same level in the selection process.

1.13 This call is valid until the opening of a new admission notice.

## **2. SELECTION GROUPS**

2.1 The SNP-UFV selection process occurs in groups related to the areas of knowledge of Soil Science and Plant Nutrition.

2.2 The candidate must choose one of the Selection Groups during registration. Changing groups will not be allowed after registration is completed.

2.3 The SNP-UFV Selection Groups are constituted by the professors:

Group 1 - Pedology (Genesis, classification, pedometrics, geochemistry, and soil mineralogy)

Prof. Carlos Ernesto Gonçalves Reynaud Schaefer

Prof. Elpídio Inácio Fernandes Filho

Profa. Isabela Cristina Filardi Vasques

Prof. José João Lelis Leal de Souza

Prof. João Carlos Ker

Prof. Márcio Rocha Francelino

Prof. Maurício Paulo Ferreira Fontes

Group 2 - Soil Management (Physics, agroecology, organic matter, and soil biology)

Profa. Emanuelle Mercês Barros Soares

Prof. Igor Rodrigues de Assis

Profa. Irene Maria Cardoso

Prof. Raphael Bragança Alves Fernandes

Prof. Teógenes Senna de Oliveira

Group 3 - Edaphology (Chemistry, soil fertility, and plant nutrition)

Prof. Edson Márcio Mattiello

Prof. Hidelblandi Farias de Melo

Prof. Júlio César Lima Neves

Prof. Nairam Félix de Barros

Prof. Rafael da Silva Teixeira

Prof. Reinaldo B. Cantarutti

Prof. Renildes L. Ferreira Fontes

Prof. Samuel Vasconcelos Valadares

2.4 The assignment of advisors to the approved candidates is the responsibility of the SNP-UFV Coordinating Committee, based on criteria of faculty productivity and the current number of advisees. Presence on the list in item 2.3 does not guarantee orientation vacancies

for the Program's professors and does not generate any expectation of orientation with a specific advisor by the candidates for the selection process. The profile and curriculum of the SNP-UFV advisor professors are available on the pages (<https://possolos.ufv.br/orientadores-2/>).

### **3. REGISTRATION**

3.1 The registration period for the selection process will be from April 1st to April 30th, 2026.

3.2 The entire registration process will be carried out via online procedure in the "GPS System - Postgraduate Registration", according to guidelines at: <https://adm.gps.ufv.br/administracao/processos-seletivos/1490/>

3.3 Registration will only be effective after the completion of the electronic process and the inclusion of all requested documents.

3.4 Candidates opting for vacancies via UFV Affirmative Policies must insert supporting documents required in the registration system and submit themselves to the Validation Committee of the Self-Declaration of Black, Brown, or Indigenous Candidates, for hetero-identification, in the case of self-declared black and brown people, and for verification of supporting documentation, in the case of indigenous people. Candidates with disabilities must present a medical report, certifying the type and degree of the disability, with express reference to the corresponding code of the International Classification of Diseases (ICD) and the supporting exams of their disability. More information can be obtained in CEPE-UFV Resolutions 10/2018 and 8/2019 and in the UFV General Notice (<https://ppg.ufv.br/edital-geral-2026-1-e-2026-2/>).

3.5 It is the candidate's responsibility to follow the registrations through the system and pay attention to all recommendations contained in the link indicated in item 3.2.

3.6 The SNP-UFV is not responsible for registration failures due to any reason of a technical nature, failure of computers or communication, congestion of communication lines, as well as any other factors that make it impossible or difficult to transfer data for the candidate's registration.

3.7 The SNP-UFV accepts applications for its selection process from foreign candidates who have foreign or private company scholarships. In these cases, candidates must directly forward their request to enter the Program to the SNP-UFV Coordination. After individual analysis of the requests and, depending on the availability of advisors, the candidate's curriculum vitae, and the adequacy of the work proposal, these candidates may be accepted through a simplified and special process.

3.8 Foreign candidates interested in undertaking postgraduate studies seeking a Brazilian scholarship in the SNP-UFV must participate in this selection process requesting a broad competition scholarship. In all cases, foreign candidates may not apply for the vacancies reserved for UFV Affirmative Policies.

3.9 Foreign candidates must apply for broad competition vacancies. The SNP-UFV does not adopt a limit of scholarships for foreign candidates.

### **4. DOCUMENTATION**

4.1 At the time of online registration, the candidate will attach personal and academic documents required by UFV.

4.2 In addition to the documents mentioned in the previous item, the SNP-UFV requires the insertion of the following documents into the registration system:

- 4.2.1 Curriculum vitae specific to SNP-UFV.
- 4.2.2 Proofs of the activities described in the curriculum.
- 4.2.3 Work plan.
- 4.2.4 Documents listed in item 3.4, if applicable.
- 4.2.5 Acceptance letter from the advisor for candidates who opt for "Own Resources" in the Funding Source tab of the registration system, obeying the limits set out in item 1.10.
- 4.2.6 All files regarding the documentation to be inserted in the "GPS System - Postgraduate Registration", indicated or commented in items 4.1 and 4.2, must be previously converted to PDF format.
- 4.3 It is the candidate's responsibility to check the integrity of the documentation attached in the "GPS System - Postgraduate Registration". Incomplete or illegible documents and corrupted files uploaded to the system will be disregarded in the selection process.
- 4.4 Other documents than those listed in item 4.2 may be required from candidates for the vacancies reserved for black (black and brown) people, indigenous people, and people with disabilities, to prove the declared situation.
- 4.5 The candidate must have a full-length higher education course for the Master's, and a Master's degree for the Doctorate, both in institutions and courses recognized by the Ministry of Education or similar bodies in the countries of foreign candidates.

## **5. CURRICULUM VITAE**

- 5.1 In the registration procedure, under "Documents to Send", in the item "Curriculum vitae", the specific Curriculum Vitae of the SNP/UFV must be attached, which is available for download in two files (Master's or Doctorate) under the item "Selection Process", on the page [www.possolos.ufv.br](http://www.possolos.ufv.br), with the names "Curriculum SNP\_Masters\_2026\_II" and "Curriculum SNP\_Doctorate\_2026\_II".
- 5.2 The curriculum must be filled out in "docx" format or another text editing file, respecting the structure of the provided file, and only the number of rows in the tables can be increased.
- 5.3 Each proof informed in the "Specific Curriculum SNP/UFV" must be numbered in ascending order in the field "Document No. in Curriculum" in the different tables to be filled. This "Document No. in Curriculum" will identify the corresponding document in the "Proof of Activities" file (item 6 of this Call).
- 5.4 Candidates must fill in the "Candidate score" column according to the criteria established and presented immediately following the table to be filled.
- 5.5 Once the document is finalized, it must be saved in "PDF" format before being attached to the registration.

## **6. PROOFS OF CURRICULUM ACTIVITIES**

- 6.1 All activities described in the candidate's "Curriculum vitae", following the document "Specific Curriculum SNP/UFV", must be proven by scanned copies of the respective proofs.
- 6.2 All proofs of products and activities reported in the "Specific Curriculum Vitae SNP/UFV" must be scanned in PDF format and gathered in a SINGLE FILE, which must be attached in the online registration system under the item: "Requested proofs" in the "Specific Curriculum Vitae of the Program" - "single file".
- 6.3 The organization of the single file of proofs must follow the ascending numbering

indicated in the "Curriculum Vitae SNP/UFV" (item 5.3).

## **7. WORK PLAN**

7.1 The Work Plan will be analyzed in the third stage of the process. The document can be prepared in Portuguese, Spanish, or English.

7.2 The Work Plan must cover: a) Introduction. Presenting the theme, objective, hypothesis, gaps to be filled; b) Materials and Methods. Brief description of the proposed methods; c) Monthly schedule of the proposal; d) References.

7.3 The Work Plan must follow the formatting: up to four pages, Times New Roman, size 12, 1.5 spacing between lines, margins 1.62 cm top, 1.59 bottom, 1.41 left, 1.98 right.

7.4 Candidates who present work plans outside the formatting will be disqualified.

## **8. REGISTRATION FEE**

8.1 The registration fee slip must be printed through the online registration page, in the option "Registration Slip" under the item "Registration".

8.2 The value of the registration fee will be defined by UFV.

8.3 Foreign candidates and residents abroad must pay the fee through international bank transfer (Wire Transfer), with the following credit data: Banco do Brasil / Universidade Federal de Viçosa / Av. P.H. Rolfs, s/n - University Campus - Viçosa-MG - Zip Code: 36570-900 / SWIFT: BRASBRRJBHE.

8.4 UFV adopts the possibility of exemption from the registration fee in its Selection Processes, in line with Article 1 of Decree No. 6.593 of 10/2/2008. The requirements for obtaining this benefit and the conditions for its granting are listed in the General Notice for Enrollment in Stricto Sensu Postgraduate Programs at UFV. The exemption must be requested at the time of registration directly to the SNP-UFV, by filling out the "Exemption Form", which must be sent, after being signed and scanned, to the email [snp@ufv.br](mailto:snp@ufv.br).

8.5 The result of requests for exemption from payment of the registration fee will be published on the SNP-UFV website.

8.6 If the exemption request is granted, it is the candidate's obligation to attach to the registration system the proof of acceptance letter from SNP in the place reserved for the registration fee.

8.7 The deadline for forwarding the "Exemption Form" will be April 15th, to guarantee sufficient time for analyzing the requests and even allowing appeals regarding any eventual decision of denial of the exemption request. On this date, the candidate claiming the exemption must finalize the registration process in the GPS System, attaching the exemption form together with the proof of registration in the CadUnico of the Federal Government in a single file, in pdf format. If the request is denied, the candidate may pay the fee and finalize the registration by the deadline.

## **9. SELECTION**

9.1 The selection process will consist of three stages: i) knowledge test; ii) analysis of curriculum and academic record, and; iii) oral interview by videoconference.

9.2 100 points will be distributed in each stage. To be approved, the candidate must achieve a grade of 60 or higher.

9.3 All stages are eliminatory. The candidate with a score below 60% of the total value for each stage will be eliminated from the selection process.

9.4 A candidate eventually disqualified in one stage will not continue in the selection process.

9.5 Results will be published on the SNP-UFV website.

9.6 Candidates have 3 (three) business days to open an appeal. Appeals must be sent by email to [snp@ufv.br](mailto:snp@ufv.br) until 5:00 pm on the third day.

<b>Stage</b>	<b>Date</b>
Registration	April 1st to 30th
Request for exemption of the registration fee	Until April 15th
First stage - knowledge test	May 11th
Publication of the first stage results	May 19th
Period for appeal	May 19th to 21st
Second stage - curriculum and transcripts analysis	May 22nd to 26th
Publication of the second stage results	May 27th
Period for appeal	May 27th to 29th
Third stage - oral interview	June 2nd
Publication of the third stage results	June 3rd
Period for appeal	June 3rd to 5th
Preliminary result	June 8th
Period for appeal	June 8th to 10th
Final result	June 12th

## **10. FIRST STAGE - KNOWLEDGE TEST**

10.1 The written test will focus on general themes related to Soil Science and Plant Nutrition.

10.2 Master's and Doctorate candidates will take the same test.

10.3 The execution of the test will be through the internet, through a specific platform that will be presented to the candidate before the application.

10.4 The test will consist of 9 (nine) open and/or objective questions, 3 (three) corresponding to each of the SNP-UFV Selection Groups.

10.5 Open questions must be answered in the reserved space. Those outside the space will not be considered in the correction.

10.6 The test questions will be written in Portuguese and English. The answers, in turn, may be written in Portuguese, Spanish, or English.

10.7 The registration number will be used as the candidate's code and will allow blind grading

of the test.

10.8 The knowledge test will last two hours and will be held on May 11th at 9:00 am, Brasilia time (GMT-3).

10.9 The maximum delay tolerated for the candidate to start the test will be 10 (ten) minutes, and the final time will not be altered because of this.

10.10 The final rules for conducting the online test will be sent to the candidates at least two days before the application. The SNP will not be responsible for cases of loss of internet signal that may prevent the test from being conducted.

10.11 In correcting the test, aspects related to technical knowledge, as well as the clarity and organization of ideas, will be considered.

10.12 Each test question will be worth 10 (ten) points.

10.13 The three questions referring to the Group chosen by the candidate in the selection process will have a weight of 2 (two) in the final computation of the candidate's grade, while the other questions will have a weight of 1 (one).

10.14 The written test grade will be obtained by summing the score of each question multiplied by its corresponding weight. With six questions with weight 1 and three questions with weight 2, there are  $(6 \times 10 \times 1) + (3 \times 10 \times 2) = 120$  possible points on the test.

10.15 The preliminary grade (NP1) will be the value obtained according to item 10.14 multiplied by the factor 100/120 to adjust the grade to a scale with a maximum of 100 points (total value of the test).

10.16 Among the approved candidates, the final grade of each candidate (NF1) on the test will be adjusted, considering as grade 100 the one obtained by the candidate with the highest grade at each level. The other candidates will have their grades proportionally transformed.

## **11. SECOND STAGE - CURRICULUM AND ACADEMIC RECORD ANALYSIS**

11.1 Only academic documents and activities developed as foreseen in the "Curriculum Vitae SNP/UFV" will be considered in the Curriculum Analysis. Proofs, certificates, declarations, and other documents delivered or forwarded after the registration closing date will not be accepted.

11.2 The curriculum score provided by the candidate in the "Score Consolidation Table", at the end of the document "Curriculum Vitae SNP-UFV", will be verified by the Evaluation Committee, prevailing the final grade defined by this Committee.

11.3 The final grades obtained by the candidates in the curriculum evaluation will be adjusted, considering 100 points as the highest grade among the entire group of candidates. The other candidates will have their grades proportionally transformed.

11.4 Academic records will be evaluated with a maximum grade of 100 points. For Master's candidates, only the undergraduate record will be evaluated, and for the Doctorate, only the Master's record. There will be no proportional adjustment of grades in this case in relation to the highest grade obtained.

11.5 Proof of English proficiency will be carried out exclusively through approval in standardized (item 11.7) and valid (item 11.8) tests.

11.6 Native foreigners from English-speaking countries do not need to confirm proficiency.

11.7 The minimum score in standardized tests will be the one required by Capes for the purpose of submitting sandwich training proposals, namely:

a) TOEFL IBT = 71 points

- b) TOEFL ITP = 527 points
- c) IELTS = 6 points
- d) Cambridge Exam = B2
- e) DET (Duolingo English Test) = 105

11.8 The validity of the certificates will also follow Capes' guidance for sandwich training, that is:

- a) TOEFL (IBT and ITP) and DET: valid for 2 (two) years
- b) IELTS: valid for 2 (two) years, and each band (listening, reading, writing, and speaking) must have a minimum score of 5 (five)
- c) CAE or FCE: no expiration date.

11.9 The reference date for the validity period of the standardized test certificate is the last day for registration in this selection process, disregarding any eventual extension of the deadline.

11.20 The candidate's preliminary grade in the second stage (NP2) will be calculated by the formulas:

$$\text{NP2\_Master's} = [\text{curriculum grade} \times 0.65] + [\text{transcripts grade} \times 0.35]$$

$$\text{NP2\_Doctorate} = [\text{curriculum grade} \times 0.70] + [\text{transcripts grade} \times 0.30]$$

11.21 Among the approved candidates, the final grade of each candidate (NF2) in the test will be adjusted, considering as grade 100 the one obtained by the candidate with the highest grade at each level. The other candidates will have their grades proportionally transformed.

## **12. THIRD STAGE - ORAL INTERVIEW**

12.1 The third stage of selection will consist of an oral interview conducted by videoconference, intended exclusively for candidates not eliminated in previous stages. It may be held in Portuguese, Spanish, or English.

12.2 The oral interview will be held on June 2nd and will last from 15 to 30 minutes. The oral interview will be held before a panel composed of professors who are members of the SNP selection groups (item 2.4). If it is impossible to compose this panel with members of the same selection group, the SNP Coordination will appoint other DPS-UFV professors for this mission.

12.3 The oral interview will be conducted via Zoom, Google Meet, or similar applications, and it is the candidate's responsibility to ensure an adequate internet connection for the oral interview. Failure to appear on the scheduled day and time will result in a zero grade in this evaluation.

12.4 The candidate will receive a link for the oral interview at least two days in advance, and the interview will be recorded. By registering for this selection process, the candidate automatically authorizes the recording of the oral interview, whose content will be used for the evaluation of this selection process.

12.5 Candidates will be submitted to questions previously established by the evaluation committee about the proposed work plan, academic trajectory, and the reasons why they applied for the vacancy. The candidate must answer the questions orally.

12.6 The preliminary grade (NP3) of the oral interview will be the arithmetic sum of the points from the evaluation of the work plan, technical questions from the soil area, and the candidate's academic-professional life history.

<b>Evaluated items</b>	<b>Score</b>
Technical-scientific knowledge in the proposed concentration area and work plan	0 to 55
Notions of planning and execution of scientific research	0 to 15
Logical sequence in the construction of answers	0 to 10
Capacity for synthesis and objectivity	0 to 10
Correct use of technical terms	0 to 10
Total	100

12.7 Among the approved candidates, the final grade of each candidate (NF3) on the test will be adjusted, considering as grade 100 the one obtained by the candidate with the highest grade at each level. The other candidates will have their grades proportionally transformed.

### **13. FINAL GENERAL GRADE AND CANDIDATE CLASSIFICATION**

13.1 The final general grade (NFG) will be calculated considering the grades obtained in the three stages, according to the following formula:

$$\text{NFG} = [\text{NF1} \times 0.50] + [\text{NF2} \times 0.40] + [\text{NF3} \times 0.10]$$

13.2 Depending on the NFG obtained, approved candidates will be classified within the SNP Selection Groups and in descending order.

13.3 The results will initially be published as provisional and, once the deadline for filing appeals has ended, will be published again as final.

### **14. GRANTING OF SCHOLARSHIPS**

14.1 The granting of scholarships by the SNP-UFV will respect the order of approval within each group and, in case of candidate withdrawals, classified candidates will be called, respecting the order of classification within each group.

14.2 In the case of withdrawals by candidates opting for reserved vacancies, Article 8 of CEPE-UFV Resolution 08/2019 will be observed, and, in this case, the candidate who may be called will follow the order of classification in the group indicated by the candidate.

14.3 After the selection process is completed, advisor professors who have scholarships available through individual projects with official funding institutions or other institutions, as well as public or private sector organizations, may recruit for such scholarships classified candidates regardless of the order of classification and the Group, and after the agreement of the SNP-UFV Coordinating Committee.

14.4 To formalize the summons of candidates, the professor must formally state that they have a scholarship for the entire training period of the student, and that they will not at any time request a scholarship from the SNP.

14.5 The student to be recruited must accept the nomination and may not subsequently request

a change of advisor.

14.6 The candidate approved in this selection process may only enter the SNP without the granting of a scholarship if they prove an employment relationship, if they declared on the registration form that they do not depend on a scholarship, and if the advisor's acceptance letter is presented. The candidate opting for this condition may not subsequently claim an SNP-UFV scholarship for the course.

14.7 In the event that the SNP is awarded fewer scholarships than the number of vacancies foreseen in item 1.3 of this Notice, the Program's scholarship granting criterion will respect the highest final general grade (NFG) obtained by the candidates. Approved candidates, but not awarded a scholarship, will not be allowed to take the Program.

## **15. GENERAL PROVISIONS**

15.1 Carrying out the registration in the online system implies the candidate's unrestricted submission to this notice and to the rules that regulate postgraduate studies at UFV, with the candidate being responsible for the documentation, data, and information presented, under penalty of nullity of their registration and the acts resulting from it.

15.2 All results will be published on the electronic page of the Postgraduate Program in Soils and Plant Nutrition: [www.possolos.ufv.br](http://www.possolos.ufv.br)

15.3 The SNP-UFV coordinating committee will decide on omitted cases.

15.4 For any additional information, candidates should contact:

Coordination of Postgraduate Studies in Soils and Plant Nutrition

Department of Soils - Federal University of Viçosa 36570-900 - Viçosa, MG

Phone: +55 (31) 3612-4505

Email: [snp@ufv.br](mailto:snp@ufv.br)

Site: [www.possolos.ufv.br](http://www.possolos.ufv.br)

## **16. BASIC BIBLIOGRAPHY**

16.1 The evaluation committee recommends reading the works listed below.

### Group 1 - Pedology

\* Ker, J.C. Latossolos do Brasil: uma revisão. Geonomos, 5, 1997.  
<https://doi.org/10.18285/geonomos.v5i1.187>

\* Ker, J.C., Curi, N., Schaefer, C.E.G.R., Vidal-Torrado, P. (Ed). Pedologia (Fundamentos). Viçosa, MG : SBCS. 2012. 343p.

\* Schaefer, C.E.G.R. (Ed.) The soils of Brazil. Springer. 2023. 488p.  
<https://doi.org/10.1007/978-3-031-19949-3>

\* IUSS Working Group WRB. 2022. World Reference Base for Soil Resources. International soil classification system for naming soils and creating legends for soil maps. 4th edition. International Union of Soil Sciences (IUSS), Vienna, Austria.

### Group 2 - Soil Management

\* Brady, N.C. and Weil, R.R. The Nature and Properties of Soil. 2022. 13th Edition, Prentice

Hall, Upper Saddle River, New Jersey.

\* Cotrufo, M.F.; Lavelle, J.M. Soil organic matter formation, persistence, and functioning: A synthesis of current understanding to inform its conservation and regeneration. *Advances in Agronomy*, 172. 2021. <https://doi.org/10.1016/bs.agron.2021.11.002>

\* Sociedade Brasileira de Ciência do Solo (SBCS). *Manejo e Conservação do Solo e da Água*. Viçosa: SBCS, 2024.

\* de Jong van Lier, Quirijn. *Física do solo*. Viçosa: SBCS, 2010.

### Group 3 - Edaphology

\* Novais, R. F.; Alvarez V., V. H.; Barros, N. F.; Fontes, R. L. F.; Cantarutti, R. B.; Lima, J. M (Ed.). *Fertilidade do solo*. Viçosa: Sociedade Brasileira de Ciência do Solo, 2007.

\* van Raij, B.; Andrade, J. C.; Cantarella, H.; Quaggio, J. A. (Eds.). *Fertilidade do solo e manejo de nutrientes*. Piracicaba: IPNI – International Plant Nutrition Institute, 2011

\* Melo, V. de F.; Alleoni, R. F. (Ed.). *Química e Mineralogia do Solo*. Viçosa: Sociedade Brasileira de Ciência do Solo, 2007.

\* Hansen, E. A.; Golden, M.; Spector, P. (Eds.). *Handbook of soil science*. Boca Raton: CRC Press, 2012.

16.2 It is the candidate's responsibility to seek complementary readings.

Viçosa, March 31st, 2026.