**Curriculum vitae**

1. **Family name:** Nell
2. **First names:** Piet
3. **Nationality:** South African
4. **Country of Residence:** South Africa
5. **Contact details:** **nellpiet@gmail.com** **or pnell@arc.agric.za**
6. **Education:**

|  |  |
| --- | --- |
| **Institution****[ Date from - Date to ]** | **Qualification obtained:** |
| Pretoria Technikon (1978-1981) | NDT Geology |
| University of the Orange Free State (1982-1984) | B. (Agric) Irrigation Technology |
| University of the Orange Free State (1985-1986) | B.Sc. (Agric) Hons, Soil Science |
| University of the Orange Free State (1989-1991) | M.Sc. (Agric), Soil Science |
| NW University (2000-2003) | MBA |
| University of the Free State (2007-2010) | Ph.D. in Soil Science |

1. **Language skills:** (1 - excellent; 5 - basic)

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| --- | --- | --- | --- |
| **Language** | **Reading** | **Speaking** | **Writing** |
| English | 1 | 1 | 1 |
| Afrikaans | 1 | 1 | 1 |
| Zulu | 4 | 4 | 5 |

1. **Membership** **of professional bodies:**

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| Registered as Professional Natural Scientist: Field of practice Soil Science: (Reg. No. 400462/04) and member of the South African Irrigation Institute |

1. **Specialisation** Soil Science, Water Science, Irrigation Planning and Rehabilitation
2. **Present position:** Specialist Researcher
3. **Key Skills:** Expert knowledge of irrigation planning, land use planning and environmental impact assessment; Expert knowledge of salinization, sodification, alkalinisation, and waterlogging of irrigated soils; Expert knowledge of water quality interpretation for agricultural and domestic use; Experience in pedological investigations; Experience in teaching and learning
4. **Specific experience:**

|  |  |
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| **Country** | **Date from - Date to** |
| South Africa (Geohydrology)  | 1978-1981 |
| South Africa (Soil and Water Science) | 1982-2022 |

1. **Professional experience (Formal employment and Assignments/consultancies**)

| **Date from - to** | **Location** | **Organisation** | **Position** | **Description of Duties and achievements** |
| --- | --- | --- | --- | --- |
| 1979-1981 | SA | Dept of Water Affairs | Technician | Technical geohydrological surveys |
| 1987-1986 | SA | Soil and Irrigation Research Institute | Assistant Soil Scientist | Conducted soil surveys and carried out research into the effect of soil structure on the irrigability of soils |
| 1990-1991 | SA | Soil and Irrigation Research Institute | Soil Scientist | Responsible for soil investigations for irrigation development |
| 1992 | SA | Institute for Soil, Climate and Water | Senior Soil Scientist | Responsible for research into the effects of water and soil quality on citrus production. |
| 1993-1994 | SA | Institute for Soil, Climate and Water | Principal Soil Scientist | Responsible for work in the field of water quality and irrigation with industrial water and a variety of other soil assessments for client purposes |
| 1995-2022 | South Africa, Namibia, Swaziland, Mozambique, Gambia, Botswana, Angola, Zambia, Ethiopia, India Kazakhstan | Institute for Soil, Climate and Water | Project LeaderProgramme Manager Specialist Researcher | Responsible for soil and water investigations for diverse purposes upon client request. Research in primary and secondary salinity, sodicity and alkalinity. Research on waterlogging and salinity on irrigation schemes.  |

1. Publications

Refereed Publications: 24; Book Chapters: 4; Conferences papers and Posters: 23; Other Publications: 14; Radio and TV interviews: 12; Consultation Scientific Reports: 335