

CURRICULUM VITAE

Olga Atanacković je rođena 13 februara 1959. godine u Beogradu. Na grupi za astronomiju (smer Astrofizika) Prirodno-matematičkog fakulteta u Beogradu diplomirala je 1981. godine. Dobitnik je nagrade "Prof. Zaharije Brkić" kao najbolji diplomirani student u 1981/1982. godini na Katedri za astronomiju. Poslediplomske studije (smer Astrofizika) na Katedri za astronomiju PMF u Beogradu završila je 1986. godine odbranivši magistarsku tezu pod naslovom "Analiza nelokalnih efekata u ne-LTR prenosu zračenja u zvezdanim atmosferama". Na istom fakultetu je oktobra 1991. godine odbranila doktorsku disertaciju pod naslovom "Prilog rešavanju problema prenosa zračenja u zvezdanim atmosferama". Obe teze je radila pod rukovodstvom dr Eduarda Simonneau-a (CNRS, Francuska).

Od 1982. do 1996. godine bila je zaposlena na Astronomskoj opservatoriji u Beogradu. U zvanje naučnog saradnika izabrana je 1992. godine. Od 1993. godine bila je angažovana za držanje vežbi iz predmeta Teorijska astrofizika na Katedri za astronomiju, a od 1995. godine (posle izbora u zvanje docenta) za držanje predavanja i vežbi iz Teorijske astrofizike. Od 1996. godine je zaposlena na Matematičkom fakultetu u Beogradu. Godine 2002. izabrana je u zvanje vanrednog profesora. Na Katedri za astronomiju drži predavanja iz *Opšte astrofizike (A i B)*, *Teorije zvezdanih spektara* i *Dinamike kosmičke plazme* na osnovnim studijama, *Interpretacije astronomskih spektara* na master studijama i *Zvezdane atmosfere* i *Numeričke metode u prenosu zračenja* na doktorskim studijama. Rukovodila je izradom jednog diplomskog rada na Fizičkom fakultetu, jednog master rada, jedne magistarske teze i jedne doktorske disertacije na Matematičkom fakultetu. Bila je član komisija za ocenu i odbranu 3 master rada, 18 magistarskih teza, 6 doktorskih disertacija, kao i komisija za nostrifikaciju jedne fakultetske i 3 doktorske diplome.

Sa prof. dr Mirjanom Vukićević-Karabin koautor je univerzitetskog udžbenika „*Opšta astrofizika*” (prvo izdanje 2004. godine, drugo izdanje 2010. godine).

Period od 1. decembra 1984. do 30. juna 1985. provela je, kao stipendista francuske vlade, na naučnoj specijalizaciji u Institutu za astrofiziku u Parizu. Narednih godina je u okviru Programa naučne saradnje između Jugoslavije i Francuske radila na Projektu "Nove numeričke metode u rešavanju problema prenosa zračenja". Godine 1996. dobila je dvomesečnu stipendiju Francuskog Društva prijatelja nauke za rad na Institutu za astrofiziku u Parizu. Radila je na većem broju raznih naučnih projekata koje finansira Ministarstvo za nauku, tehnologije i razvoj Republike Srbije, a trenutno je angažovana na projektima "Fizika Sunca i zvezda" i "Inverzni problemi u astrofizici: interferometrija i spektrofotometrija zvezda".

Do danas je objavila više od 50 naučnih i stručnih radova u domaćim i stranim časopisima (10 članaka u časopisima sa SCI liste) i imala saopštenja na više od 20 domaćih i međunarodnih konferencija. Njeni radovi su citirani 47 puta (od toga 8 autocitata). U dosadašnjem naučnom radu Olga Atanacković se bavila istraživanjima u nekoliko oblasti teorijske astrofizike i astronomije: pre svega teorijom formiranja

spektralnih linija i prenosom zračenja u zvezdanim atmosferama (kinetičkim efektima u ne-LTR prenosu zračenja i numeričkim metodama u rešavanju jednačine prenosa zračenja), deformacijama linija u spektrima Sejfertovih galaksija i kvazara pod uticajem jakog gravitacionog polja, analizom posmatranih promena u sjaju zvezda u tesnim dvojnim sistemima, istraživanjima efekata Debye-vog ekraniranja na Štarkovo širenje spektralnih linija, refrakcijskim i astroklimatskim istraživanjima i bibliografijom kataloga nebeskih tela.

Olga Atanacković je bila recenzent dva univerzitetska udžbenika: "Teorijske osnove radio-astronomije" (2007) autora Dejana Uroševića i Jelene Milogradov-Turin i "Uvod u spektroskopiju za astronome" (2010) autora Tijane Prodanović.

Držala je niz predavanja iz astronomije na Kolarčevom narodnom univerzitetu, na republičkim seminarima iz fizike za nastavnike osnovnih i srednjih škola i u Istraživačkoj stanici Petnica. Učestvovala je u pripremama takmičara za Međunarodnu astronomsku olimpijadu 2004. i 2005. godine.

Bila je sekretar Uredjivačkog odbora izdanja Astronomske opservatorije (1983-1990) i urednik Publikacija AOB (1990-1995). Od 1990. je član Uredjivačkog odbora *Publications de l'Observatoire Astronomique de Belgrade* i Uredjivačkog odbora *Bulletin de l'Observatoire Astronomique de Belgrade* (od 1996. - *Serbian Astronomical Journal*). Bila je recenzent brojnih radova objavljenih u časopisu i zbornicima radova.

Takođe je bila član Upravnog odbora Astronomske opservatorije i Saveta Matematičkog fakulteta.

Kao član Naučnog ili Lokalnog organizacionog komiteta učestvovala je u organizaciji nekoliko naučnih skupova: VI European Regional Meeting of Astronomy (Dubrovnik, 1981), 100 godina Astronomske opservatorije u Beogradu (Beograd, 1987), The First Yugoslav Conference on Spectral Line Shapes (Krivaja, 1995), Simpozijum "On Contemporary Mathematics" povodom 125 godina Matematičkog fakulteta u Beogradu (Beograd, 1998), XIII Nacionalna konferencija jugoslovenskih astronoma (Beograd, 2002), XIV Nacionalna konferencija astronoma Srbije i Crne Gore (Beograd, 2005) i kao ko-predsednik XV Nacionalne konferencije astronoma Srbije (Beograd, 2008).

Od oktobra 2005. do marta 2007. godine je bila šef Katedre za astronomiju. Kao nastavnik i šef Katedre za astronomiju aktivno je učestvovala u radu na reformi nastavnih programa studija astronomije i astrofizike, kao i nastojanjima da se predmet Astronomija vrati u srednje škole.

Godine 2008. bila je član Nacionalnog organizacionog odbora (NOO) za pripreme za obeležavanje Međunarodne godine astronomije (MGA) 2009 u Srbiji. Vodila je projekat "Globalni razvoj astronomije", jedan od 11 globalnih projekata u okviru kojih je obeležena MGA2009.

Član je Astronomskog društva "Rudjer Bošković", Društva astronoma Srbije, Evropskog astronomskog društva, Međunarodne astronomske unije i njenih komisija br. 36 (Teorija zvezdanih atmosfera) i 46 (Astronomsko obrazovanje i razvoj).

Od 2002. godine je predstavnik Srbije u Komisiji br. 46 Međunarodne astronomske unije. Od 2002. do 2005. godine bila je član Upravnog odbora Društva astronoma Srbije i član Nacionalnog Komiteta za astronomiju. Od oktobra 2005. do oktobra 2008. godine bila je predsednik Nacionalnog Komiteta za astronomiju.

Olga Atanacković was born on February 13, 1959 in Belgrade. She graduated in 1981 from the Department of Astronomy (Astrophysics study group) of the Faculty of Mathematics and Natural Sciences, University of Belgrade. She got a grant “Prof. Zaharije Brkić” as the best student in 1981/1982 graduated from the Department of Astronomy, Univ. of Belgrade. She got her MSc degree at the Department of Astronomy in Belgrade in 1986 with the thesis “Analysis of non-local effects in non-LTE radiative transfer in stellar atmospheres”. In 1991 she defended her PhD thesis “Contribution to the solution of radiative transfer problems in stellar atmospheres”. Both, MSc and PhD, were made under the supervision of dr Eduardo Simonneau (CNRS, France).

From 1982 to 1996 she was employed at the Astronomical Observatory in Belgrade. She was appointed research associate in 1992. Since 1993 she has been engaged at the Department of Astronomy holding exercises for the course Theoretical Astrophysics, and since 1995 (when she became assistant professor) for the lectures of the same course as well. Since 1996 she has been employed at the Faculty of Mathematics in Belgrade. She has been appointed associate professor in 2002. She currently lectures the following courses: *General Astrophysics (A and B)*, *Theory of stellar spectra* and *Cosmic plasma dynamics* at the Bachelor studies, *Interpreting astronomical spectra* at the Master studies and *Stellar atmospheres* and *Numerical methods in radiative transfer* at the PhD studies. She was mentor for a diploma thesis at the Faculty of Physics, as well as for one master thesis, one MSc thesis and one PhD thesis at the Faculty of Mathematics. She was the member of commissions for reviewing and defense of 3 master theses, 18 MSc theses, 6 PhD theses as well as a member of the commissions for validation of one BSc and three PhD diplomas.

With prof. Mirjana Vukićević-Karabin, she is the co-author of the university textbook “General Astrophysics” (1st edition in 2004; 2nd edition in 2010).

She got a grant from the French government in 1984/85 to spend eight months at the Institute of Astrophysics in Paris (IAP). Next five years she was working under the supervision of dr Eduardo Simonneau on the Project “New numerical methods in radiative transfer” within the Program of scientific cooperation between France and Yugoslavia. In 1996 she got a grant of the French Society of the Friends of Science for a two-month stay at the IAP. She participated in numerous research projects supported by the Ministry of Science of the Republic of Serbia. Currently she is engaged on the projects "Stellar and Solar Physics" and "Inverse Problems in Astrophysics: Interferometry and Spectrophotometry of Stars".

Olga Atanacković published more than 50 scientific papers (10 papers are published in the refereed journals from the SCI list). She participated at more than 20 national and international conferences. Her papers were cited 47 times (out of which 8 self-citations). She worked in several fields of theoretical astrophysics and astronomy: the spectral line formation theory and radiative transfer in stellar atmospheres (kinetic effects in non-LTE radiative transfer and numerical methods for solving radiative transfer equation), contribution of gravitational redshift to spectral line profiles of Seyfert galaxies and

quasars, photometric study of the close binaries, plasma screening effects on Stark broadening of ion lines at adiabatic limit, refraction and astro-climate research and bibliography of catalogues and papers on parallaxes, proper motions and radial velocities.

Olga Atanacković was a referee for two university textbooks: "Theoretical foundations of radio-astronomy" (Dejan Urošević and Jelena Milogradov-Turin, 2007) and "Introduction to spectroscopy for astronomers" (Tijana Prodanović, 2010).

She gave several public outreach lectures in astronomy at the People's University of Kolarac, at the regular annual seminars in physics for the primary and secondary school teachers, and at the Petnica Science Center. She also took part in the training of members of the national team for the International Astronomy Olympiad in 2004 and 2005.

Olga Atanacković was the secretary of the Editorial board of the Astronomical Observatory (1983-1990) and the Editor of the Publications de l'Observatoire Astronomique de Belgrade (1990-1995). Since 1990 she has been a member of the Editorial board of *Publications de l'Observatoire Astronomique de Belgrade* and of the Editorial board of *Bulletin de l'Observatoire Astronomique de Belgrade* (since 1996 *Serbian Astronomical Journal*). She was a referee of numerous papers published in the journal and proceedings.

She was the member of Managing Board of the Astronomical Observatory and the Council of the Faculty of Mathematics.

As a member of the Scientific or Local Organizing Committee, Olga Atanackovic participated in the organization of several conferences: VI European Regional Meeting of Astronomy (Dubrovnik, 1981), 100 years of the Astronomical Observatory in Belgrade (Beograd, 1987), The First Yugoslav Conference on Spectral Line Shapes (Krivaja, 1995), Symposium "On Contemporary Mathematics" on the occasion of 125 years of the Faculty of Mathematics in Belgrade (Belgrade, 1998), XIII National conference of Yugoslav astronomers (Belgrade, 2002), XIV National conference of astronomers of Serbia and Montenegro (Belgrade, 2005), and as a co-chair in XV National conference of astronomers of Serbia (Belgrade, 2008).

From October 2005 to March 2007 she was the head of the Department of Astronomy. As a professor and the head of the Department, she participated in the reform of astronomy and astrophysics studies. She was also active in reintroduction of astronomy as an independent subject in the secondary schools.

In 2008 she was a member of the National Organizing Committee for the International Year of Astronomy (IYA) 2009 in Serbia. She was a coordinator of the project "Developing Astronomy Globally", one of 11 corner-stone projects of the IYA2009.

Olga Atanacković is a member of the Astronomical Society "Rudjer Bošković", the Society of Astronomers of Serbia, European Astronomical Society, International

Astronomical Union and its two commissions: Commission No. 36 (Theory of Stellar Atmospheres) and Commission No. 46 (Astronomy Education & Development).

Since 2002 she is National Liaison of Serbia in IAU Comm. No. 46. From 2002 to 2005 she was a member of the Managing Board of the Society of Astronomers of Serbia and a member of the National Committee for Astronomy. From October 2005 to October 2008 she was the president of the National Committee for Astronomy.