

## Maître de conférences, section 26

Docteur Habilité en Mathématiques Appliquées

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### PARCOURS PROFESSIONNEL

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Depuis Sept 2011	<b>Maître de conférences (SECTION 26)</b> LABORATOIRE DE MATHÉMATIQUES ET APPLICATION, Université de Poitiers, France.
Octo 2010 - Août 2011	<b>Postdoctorat</b> À L'INSERM Université Paris Diderot, France.
Mars 2009 - Sept 2010	<b>Postdoctorat</b> À ORANGE LABS (FRANCE TELECOM R&D), FRANCE
Sept 2007 - Févr 2009	<b>Postdoctorat</b> AU CNRS/INRA, Université d'Evry, France.

### CURSUS UNIVERSITAIRE

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2016	<b>Habilitation à diriger des recherches DE L'UNIVERSITÉ DE POITIERS</b> Soutenue le 07 octobre 2016 à l'Université de Poitiers.
2006	<b>Thèse de Doctorat DE L'UNIVERSITÉ DE VERSAILLES SAINT-QUENTIN.</b> Soutenue le 18 décembre 2006 à l'Université de Versailles Saint-Quentin.

### PRODUCTION SCIENTIFIQUE :

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- Le nombre de thèses encadrées soutenues ou en cours : (12) dont (3) soutenues, (3 soutenances prévues en 2021).
  - Participation à des jurys de thèse : (10)
  - Le nombre d'articles publiés dans des revues avec comité de lecture : (60)
  - Le nombre de préprints soumis pour publication : (16) dont (6) en révision
  - Organisation de rencontres scientifiques depuis 2016 : (13)
  - Communications orales dans des conférences internationales depuis 2007 : (24)

### LISTE DES PUBLICATIONS LES PLUS SIGNIFICATIVES (UNE LISTE COMPLÈTE SE TROUVE DANS MA PAGE WEB [HTTP://WWW-MATH.UNIV-POITIERS.FR/~YSLAOUI](http://www-math.univ-poitiers.fr/~yslaoui))

#### 1. STATISTIQUES MÉTHODOLOGIQUES :

- [YS1] [Y. Slaoui](#). “Recursive non-parametric kernel classification rule estimation for independent functional data”, **Computational Statistics**, Volume 36, Issue 1, (2021), Pages 79–112. MR4215384
- [YS2] A. El Haj, [Y. Slaoui](#), P. Y Louis and Z. Khraibani. “Estimation in a Binomial Stochastic Block-model for a Weighted Graph by a Variational Expectation Maximization Algorithm”, **Communications in Statistics - Simulation and Computation**, (2021),  
doi : 10.1080/03610918.2020.1743858
- [YS3] [Y. Slaoui](#). “Data-driven in deconvolution recursive kernel density estimators defined by stochastic approximation method”, **Sankhya A**, (2021), Volume 83, Issue 1, Pages 312–352. MR4227215
- [YS4] [Y. Slaoui](#). “Two new nonparametric kernel distribution estimators based on a transformation of the data”, **Journal of Applied Statistics**, (2021), doi : 10.1080/02664763.2020.1786675

- [YS5] [Y. Slaoui](#). “Moderate deviation principles for nonparametric recursive distribution estimators using Bernstein polynomials”, **Revista Matemática Complutense**, (2021) doi : 10.1007/s13163-021-00384-0.
- [YS6] [Y. Slaoui](#). “Recursive kernel regression estimation under alpha-mixing data”, **Communications in Statistics - Theory and Methods**, (2021) doi :10.1080/03610926.2021.1897842.
- [YS7] [Y. Slaoui](#). “Recursive nonparametric regression estimation for independent functional data”, **Statistica Sinica**, Volume 30, Issue 1, (2020), Pages 417–437.
- [YS8] [Y. Slaoui](#) and S. Khardani. “Nonparametric relative recursive regression”, **Dependence Modeling**, Volume 8, (2020), Pages 221–238. MR4156800
- [YS9] [Y. Slaoui](#) and S. Khardani. “Adaptive recursive kernel conditional density estimators under censoring data”, **Latin American Journal of Probability and Mathematical Statistics, ALEA**, Volume 17, Issue 2, (2020). Pages 389–417. MR4105924
- [YS10] [Y. Slaoui](#). “Recursive nonparametric regression estimation for dependent strong mixing functional data”, **Statistical Inference for Stochastic Processes**, Volume 23, Issue 3, (2020), Pages 665–697. MR4136708
- [YS11] [Y. Slaoui](#). “Plug-in bandwidth selection for nonparametric relative recursive regression estimators for Censored Data”, **Stochastic Models**, Volume 36, Issue 4, (2020), Pages 638–660. MR4172748
- [YS12] S. Helali and [Y. Slaoui](#). “Estimation of a distribution function using Lagrange polynomials with Tchebychev-Gauss points”, **Statistics and Its Interface**, (2020). Volume 13, Issue 3, Pages 399–410. MR4091805
- [YS13] S. Bouzebda and [Y. Slaoui](#). “Plug-In Bandwidth selector for nonparametric recursive density estimation for spatial data defined by stochastic approximation method”, **Communications in Statistics - Theory and Methods**, Volume 49, Issue 12, (2020), Pages 2942–2963. MR4095600
- [YS14] [Y. Slaoui](#). “Wild bootstrap bandwidth selection of recursive nonparametric relative regression for independent functional data”, **Journal of Multivariate Analysis**, Volume 173, (2019), Pages 494–511. MR3952169
- [YS15] [Y. Slaoui](#). “Optimal bandwidth selection for recursive Gumbel kernel density estimators”, **Dependence Modeling**, Volume 7, (2019), Pages 375–393. MR4034638
- [YS16] S. Khardani and [Y. Slaoui](#). “Nonparametric relative regression under random censorship model”, **Statistics and Probability Letters**, Volume 151, (2019), Pages 116–122. MR3944666
- [YS17] S. Bouzebda and [Y. Slaoui](#). “Large and moderate deviation principles for recursive kernel estimators of a regression function for spatial data defined by stochastic approximation method”, **Statistics and Probability Letters**, Volume 151, (2019), Pages 17–28. MR3935968.
- [YS18] [Y. Slaoui](#). “Large and moderate deviation principles for recursive kernel distribution estimators defined by stochastic approximation method”, **Opuscula Mathematica**, Volume 39, Issue 5, (2019). Pages 733–746. MR4009321
- [YS19] [Y. Slaoui](#) and A. Jmaei. “Recursive density estimators defined by stochastic approximation method using Bernstein polynomials”, **Statistics and Its Interface**, Volume 12, Issue 3, (2019), Pages 439–455. MR3964528.
- [YS20] S. Khardani and [Y. Slaoui](#). “Recursive kernel density estimation and optimal bandwidth selection under alpha-mixing data”, **Journal of Statistical Theory and Practice**, Volume 2, (2019), 13–36. MR3924747
- [YS21] [Y. Slaoui](#). “Bias Reduction in kernel density estimation”, **Journal of Nonparametric Statistics**, Volume 30, Issue 2, (2018), Pages 505–522. MR3794404.

- [YS22] [Y. Slaoui](#). “[Data-driven bandwidth selection for recursive kernel density estimators under double truncation](#)”, **Sankhya B, The Indian Journal of Statistics**, Volume 80, Issue 2, (2018), Pages 341–368. MR3884842.
- [YS23] S. Bouzebda and [Y. Slaoui](#). “[The Stochastic Approximation Method for Kernel-Type Function Estimators for Spatial Data](#)”, **Statistics and Probability Letters**, Volume 139, (2018), Pages 103–114. MR3802190
- [YS24] A. Jmaei, [Y. Slaoui](#) and W. Dellagi. “[Recursive distribution estimator defined by stochastic approximation method using Bernstein polynomials](#)”, **Journal of Nonparametric Statistics**, Volume 29, Issue 4, (2017), Pages 792-805. MR3740720
- [YS25] [Y. Slaoui](#). “[Recursive kernel density estimators under missing data](#)”, **Communications in Statistics - Theory and Methods**, Volume 46, Issue 18, (2017), Pages 9101-9125. MR3684557
- [YS26] [Y. Slaoui](#). “[Optimal Bandwidth selection for semi-recursive kernel regression estimators](#)”, **Statistics and Its Interface**, Volume 9, Issue 3, (2016), Pages 375-388. MR3457504
- [YS27] [Y. Slaoui](#). “[On the choice of smoothing parameters for semi-recursive nonparametric hazard estimators](#)”, **Journal of Statistical Theory and Practice**, Volume 10, Issue 4, (2016), Pages 656-672. MR3558394
- [YS28] [Y. Slaoui](#). “[Plug-In Bandwidth selector for recursive kernel regression estimators defined by stochastic approximation method](#)”, **Statistica Neerlandica**, Volume 69, Issue 4, (2015), Pages 483-509. MR3414708
- [YS29] [Y. Slaoui](#). “[The stochastic approximation method for the estimation of a distribution function](#)”, **Mathematical Methods of Statistics**, Volume 23, Issue 4, (2014), Pages 306-325. MR3295061
- [YS30] [Y. Slaoui](#) and G. Nuel. “[Parameter estimation in a hierarchical random intercept model avec censored response: An approach using a SEM algorithm and Gibbs sampling](#)”, **Sankhya B, The Indian Journal of Statistics**, Volume 76, Issue 2, (2014), Pages 210-233. MR3302271
- [YS31] A. Mokkadem, M. Pelletier and [Y. Slaoui](#). “[The stochastic approximation method for the estimation of a multivariate probability density](#)”, **Journal of Statistical Planning and Inference**, Volume 139, Issue 7, (2009), Pages 2459-2478. MR2508006.
- [YS32] A. Mokkadem, M. Pelletier and [Y. Slaoui](#). “[Revisiting Révész’s stochastic approximation method for the estimation of a regression function](#)”, **Latin American Journal of Probability and Mathematical Statistics, ALEA**, Volume 6, (2009), Pages 63-114. MR2496230.
2. **STATISTIQUES APPLIQUÉES À LA BIOLOGIE :**
- [YS33] J. Milet, G. Nuel, L. Watier, D. Courtin, [Y. Slaoui](#), P. Senghor, F. Migot-Nabias, O. Gaye and A. Garcia “[Genome Wide Linkage and Association Study of Plasmodium falciparum Infection and Mild Malaria Attack in a Senegalese Population](#)”, **Journal of Public Library of Science, PLoS ONE**, Volume 5, Issue 7, (2010) : e11616. doi :10.1371/journal.pone.0011616. PMID : 20657648
- [YS34] A. De Hauteclouque, S. Ragot, [Y. Slaoui](#), E. Gand, A. Miot, P. Sosner, J. M. Halimi, P. Zaoui, V. Rigalleau, R. Roussel, P. J. Saulnier, S. Hadjadj for the SURDIAGENE Study group. “[The influence of sex on Renal Function Decline in people avec Type 2 Diabetes](#)”, **Diabetic Medicine : a journal of the British Diabetic Association**, Volume 31, Issue 9, (2014), Pages 1121-1128. PMID : 24773061
- [YS35] S. Ragot, P. J. Saulnier, E. Grand, G. Velho, A. De Hauteclouque, [Y. Slaoui](#), L. Potier, P. Sosner, J. M. Halimi, P. Zaoui, V. Rigalleau, F. Fumeron, R. Roussel, M. Marre, S. Hadjadj on behalf of the SURDIAGENE and DIABHYCAR Study group. “[Dynamic changes in renal function are associated avec Major Cardiovascular Events in patients avec type 2 diabetes](#)”, **Diabetes Care**, (2016), Volume 39, Issue 7, Pages 1259-1266. PMID : 27222502

- [YS36] C. Borras, K. Delaunay, [Y. Slaoui](#), T. Abache, S. Jorieux, M-Ch Naud, M. El Sanharawi, E. Gélisé, P. Lassiaz, L. Kowalczyk, C. Ayassami, A. Moulin, F. Behar-Cohen, F. Mascarelli, V. Dinet. “[Mechanisms of FH protection against neovascular AMD](#)”, **Frontiers In Immunology**, (2020), Volume 11, Pages 443, doi : 10.3389/fimmu.2020.00443. PMID : 32318056

## RELECTEUR

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Revues : Mathematical Reviews/MathSciNet ; Bernoulli Journal ; TEST ; Mathematics of Computation ; Journal of Mathematical Analysis and Applications ; Annals of the Institute of Statistical Mathematics ; The Canadian Journal of Statistics ; Applied Soft Computing Journal ; Statistical Papers ; Journal of Nonparametric Statistics ; Metrika ; Acta Applicanda Mathematicae ; Journal of the Korean Statistical Society ; Statistics and Probability Letters ; Statistics and Its Interface ; Communications in Statistics - Simulation and Computation ; Communications in Statistics - Theory and Methods ; Journal of Applied Statistics ; Journal of Sankhya B ; Journal of Statistical Theory and Practice ; Journal of Probability and Mathematical Statistics ; International Journal of Mathematics and Statistics ; Journal of Mathematics and Statistics.